

SERVICE MANUAL

SERVICE MANUAL SECTION

**4200, 4300, 4400, 7300, 7400, 7500, 8500, 8600 SERIES Built January 1,
2002 To September 30, 2002 — ELECTRICAL CIRCUIT DIAGRAMS**

Truck Model: 4200

Start Date: 10/16/2000 End Date: 09/30/2002

Truck Model: 4300

Start Date: 10/16/2000 End Date: 09/30/2002

Truck Model: 4400

Start Date: 10/16/2000 End Date: 09/30/2002

Truck Model: 7300

Start Date: 12/01/2001 End Date: 09/30/2002

Truck Model: 7400

Start Date: 12/01/2001 End Date: 09/30/2002

Truck Model: 7500

Start Date: 12/01/2001 End Date: 09/30/2002

Truck Model: 8500

Start Date: 01/01/2002 End Date: 09/30/2002

Truck Model: 8600

Start Date: 01/01/2002 End Date: 09/30/2002

S082852

01/01/2002

Table of Contents

1. INSTRUCTIONS AND CHARTS (CHAPTER 1).....	1
1.1. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 1.....	1
1.2. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 2.....	2
1.3. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 3.....	3
1.4. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 4.....	4
1.5. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 5.....	5
1.6. NAVPAK/ECM I6 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION, P. 6.....	6
1.7. CIRCUIT DIAGRAM INSTRUCTIONS, P. 7.....	7
1.8. CIRCUIT DIAGRAM INSTRUCTIONS, P. 8.....	8
1.9. SCHEMATIC SYMBOL CHART, P. 9.....	9
1.10. RELAY FUNCTIONS, P. 10.....	10
1.11. LAMP BULB CHART, P. 11.....	11
1.12. NAVPAK/ECM V8-AVNT CONTROLLER CONNECTORS X3 AND X4 PIN NUMBER IDENTIFICATION, P.12.....	12
2. 12 VOLT POWER DISTRIBUTION CIRCUIT DIAGRAMS (CHAPTER 2).....	13
2.1. ACCESSORY, P. 1.....	13
2.2. BATTERY FEEDS, CAB, P. 2.....	14
2.3. BATTERY, P. 3.....	15
2.4. 1708 DATA LINK, P. 4.....	16
2.5. SWITCH DATA LINK, P. 5.....	17
2.6. DRIVETRAIN 1939 DATA LINK (CAB), P. 6.....	18
2.7. DRIVETRAIN 1939 DATA LINK (CHASSIS), P. 7.....	19
2.8. GROUNDS CHASSIS, P. 8.....	20
2.9. GROUNDS CHASSIS, P. 9.....	21
2.10. GROUNDS IP, P. 10.....	22
2.11. GROUNDS IP, P. 11.....	23
2.12. IGNITION CAB, P. 12.....	24
2.13. IGNITION CAB, P. 13.....	25
2.14. IGNITION FEEDS, CHASSIS, P. 14.....	26
2.15. START, P. 15.....	27
3. CAB ACCESSORIES (CHAPTER 3).....	28
3.1. CIGAR LIGHTER AND POWER FEEDS, P. 1.....	28
3.2. CB POWER, P. 2.....	29
3.3. COMPASS AND TEMPERATURE DISPLAY, P. 3.....	30
3.4. FRONT DOORS WINDOWS AND LOCKS (POWER), P. 4.....	31
3.5. CREW DOORS WINDOWS AND LOCKS (POWER), P. 5.....	32
3.6. HORN, DUAL ELECTRIC, P. 6.....	33
3.7. MIRRORS (HEATED, LIGHTED AND POWER), P. 7.....	34
3.8. RADIO (ENTERTAINMENT), SPEAKERS, P. 8.....	35
3.9. WINDSHIELD WIPER AND WASHER PUMP, P. 9.....	36
3.10. 2-WAY RADIO, P. 10.....	37
3.11. SWITCH PACK, OPTIONAL GAUGE PACK, P. 11.....	38
3.12. LIGHTED AIR SHIELD, P. 12.....	39
3.13. ROOF AUX. LOAD, P. 13.....	40

3.14. SATELLITE COMMUNICATION QUALCOMM-MCT AND IMCT SYSTEMS, P. 14.....	41
3.15. SELF CONTAINED AIR SEAT, P. 15.....	42
3.16. DIGITAL CLOCK PTC, P. 16.....	43
3.17. TRANSMISSION ALLISON LCT COLUMN SHIFTER, P. 17.....	44
4. 12V CHARGING + CRANKING SYSTEM (CHAPTER 4).....	45
4.1. I6 HEUI ENGINES, P. 1.....	45
4.2. V8 AVNT ENGINES, P. 2.....	46
4.3. CATERPILLAR ENGINES, P. 3.....	47
5. FANS AND ENGINE ACCESSORIES (CHAPTER 5).....	48
5.1. FAN WIRING, P. 1.....	48
5.2. ETHER START, P. 2.....	49
5.3. SNOW VALVE, P. 3.....	50
6. ELECTRONIC ENGINES (CHAPTER 6).....	51
6.1. ELECTRONIC ENGINE CONTROLS, I6-HEUI ENGINES, P. 1.....	51
6.2. ELECTRONIC ENGINE CONTROLS, I6-HEUI ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 2.....	52
6.3. ELECTRONIC ENGINE CONTROLS, (V8-AVNT) ENGINES, P. 3.....	53
6.4. ELECTRONIC ENGINE CONTROLS, V8-AVNT ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 4.....	54
6.5. CATERPILLAR C10 AND C12 ENGINES, P. 5.....	55
7. GAUGES WITH AND WITHOUT INTEGRAL WARNING LIGHT (CHAPTER 7).....	56
7.1. IP/GAUGE LIST, P. 1.....	56
7.2. WARNING LIGHT LIST, P. 2.....	57
7.3. WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS CONTROLLER, P. 3.....	58
7.4. ENGINE OIL PRESSURE AND TEMP, SPEEDOMETER, TACH, VOLTMETER AND WATER TEMP GAUGE CIRCUITS, P. 4.....	59
7.5. IP/GAUGES AND WARNING LIGHTS — GAUGE CLUSTER, P. 5.....	60
7.6. AIR PRESSURE INPUT CIRCUIT, P. 6.....	61
7.7. AXLE TEMPERATURE, FWD REAR AND REAR AXLES, GAUGE INPUT CIRCUIT, P. 7.....	62
7.8. FUEL GAUGE INPUT CIRCUIT (SINGLE TANK) DIFFERENTIAL LOCK WARNING LAMPS, P. 8.....	63
7.9. GAUGES AND WARNING LIGHTS — FUEL FILTER RESTRICTION AND WATER IN FUEL LIGHTS, P. 9.....	64
7.10. GAUGES AND WARNING LIGHTS — PARK BRAKE LIGHT AND TRANSMISSION OIL TEMP. GAUGE, P. 10.....	65
7.11. GAUGES AND WARNING LIGHTS — AMMETER, P. 11.....	66
8. LIGHTS (CHAPTER 8).....	67
8.1. BACK UP LIGHTS, P. 1.....	67
8.2. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LAMPS, P. 2.....	68
8.3. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LAMPS (CONT.), P. 3.....	69
8.4. LIGHT SYSTEMS — TURN SIGNAL AND STOP SWITCHES, P. 4.....	70
8.5. DOME LIGHT, MAP LIGHT, P. 5.....	71
8.6. DOME LIGHT, MAP LIGHT (CONT.), P. 6.....	72
8.7. FOG LIGHT AND WORK LIGHT, P. 7.....	73
8.8. HEADLIGHTS, P. 8.....	74

8.9. AUX. HEADLIGHTS, AUX. PARK, AUX TURN, P. 9.....	75
8.10. PANEL LIGHTS, P. 10.....	76
 9. CHASSIS ACCESSORIES (CHAPTER 9).....	 77
9.1. AIR DRYER AND HEATED DRAIN VALVE, P. 1.....	77
9.2. ANTILOCK BRAKE SYSTEM (ABS), AIR, P. 2.....	78
9.3. ANTILOCK BRAKE SYSTEM (ABS), AIR, TRACTION CONTROL, P. 3.....	79
9.4. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC, P. 4.....	80
9.5. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC (CONT.), P. 5.....	81
9.6. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC (CONT.), P. 6.....	82
9.7. TWO SPEED AXLE SWITCH W/MANUAL TRANSMISSION FUEL HEATER N/WARN LIGHTS, P. 7.....	83
9.8. BRAKE SYSTEM, HYDRAULIC, P. 8.....	84
9.9. FUEL TRANSFER PUMP, P. 9.....	85
9.10. BACK OF CAB BODY BUILDER AND TRAILER STOP, TAIL, MARKER, P. 10.....	86
9.11. BODY BUILDER AND TRAILER TURNS, CENTER PIN ABS, CENTER PIN AUX, P. 11.....	87
9.12. BODY BUILDER AND TRAILER SOCKET BACK OF CAB SOCKETS, P. 12.....	88
9.13. BODY BUILDER AND TRAILER SOCKET END OF FRAME (EOF) SOCKET AND BODY BUILDER, P. 13.....	89
9.14. AIR SOLENOID 4-WAY PACK, P. 14.....	90
9.15. REMOTE POWER UNITS, SOLENOID PACKS, REMOTE ENGINE SPEED CONTROLLER, P. 15.....	91
9.16. HYD POWER PARK, P. 16.....	92
9.17. AIR SUSPENSION, P. 17.....	93
9.18. AUX. TRAILER, ACC CONTROLLED, P. 18.....	94
9.19. AUX. TRAILER, BTRY CONTROLLED, P. 19.....	95
9.20. LIFT AXLES (NON-STEERABLE), P. 20.....	96
9.21. LIFT AXLES (STEERABLE), P. 21.....	97
9.22. AIR ACTUATED PARK BRAKE, P. 22.....	98
9.23. ANTILOCK BRAKE SYSTEM, WABCO AIR, P. 23.....	99
9.24. ANTILOCK BRAKE SYSTEM, WABCO AIR, P. 24.....	100
9.25. LIFT AXLES, WITH MULTIPLES FOR SS MODELS, P. 25.....	101
9.26. FUEL / WATER SEPARATOR WITH 12VDC FUEL PREHEATER, P. 26.....	102
 10. TRANSMISSIONS (CHAPTER 10).....	 103
10.1. ALLISON LCT TRANSMISSION, P. 1.....	103
10.2. ALLISON MD TRANSMISSION, P. 2.....	104
10.3. ALLISON MD TRANSMISSION (CONT.), P. 3.....	105
10.4. ALLISON MD TRANSMISSION (CONT.), P. 4.....	106
10.5. TRANSMISSION, WTEC MD W/AUTO NEUTRAL, P. 5.....	107
10.6. EATON AUTOSHIFT TRANSMISSION, P. 6.....	108
10.7. EATON AUTOSHIFT TRANSMISSION (CONT.), P. 7.....	109
10.8. EATON LIGHTNING TRANSMISSION, P. 8.....	109
 11. AIR CONDITIONING (CHAPTER 11).....	 110
11.1. HVAC SYSTEMS, P. 1.....	110
11.2. AIR CONDITIONING (ONLY), P. 2.....	111
 12. CONNECTOR COMPOSITES (CHAPTER 12).....	 112
12.1. CONNECTOR COMPOSITES (10), (71), (72), (345), P. 1.....	112
12.2. CONNECTOR COMPOSITES (420A), (420B), (520), (521), (522), (523), (524), P. 2.....	113
12.3. CONNECTOR COMPOSITES (1002), (1003), (1010), P. 3.....	114
12.4. CONNECTOR COMPOSITE (1011), P. 4.....	115

12.5. CONNECTOR COMPOSITE (1012), P. 5.....	116
12.6. CONNECTOR COMPOSITE (1013), P. 6.....	117
12.7. CONNECTOR COMPOSITE (1014), P. 7.....	118
12.8. CONNECTOR COMPOSITES (1018), (1019M), (1020M), (1021M), (1022M), (1023M), (1025M), (1026M), P. 8.....	119
12.9. CONNECTOR COMPOSITES (1027M, F), (1100), (1101A), (1101), (1102), P. 9.....	120
12.10. CONNECTOR COMPOSITES (1104), (1106), (1200), (1210), P. 10.....	121
12.11. CONNECTOR COMPOSITES (1300), (1301), (1400), (1402), (1500), (1510), P. 11.....	122
12.12. CONNECTOR COMPOSITES (1553), (1554F), (1555), (1600), (1601), (1650), P. 12.....	123
12.13. CONNECTOR COMPOSITES (1652), (1657M), (1658), (1659), (1800), P. 13.....	124
12.14. CONNECTOR COMPOSITES (1804), (1807), (1808), (1809), (1810), (1811), (1812), (1813), (1814), (1815), P. 14.....	125
12.15. CONNECTOR COMPOSITES (1820), (1822), (1823), (1824), (1828), (1860), (1861), (1901M), (1915), P. 15.....	126
12.16. CONNECTOR COMPOSITES (1916), (1917M, F), (1918), (1920), (2000), (2002M), (2003M), (2004M), (2005M), P. 16.....	127
12.17. CONNECTOR COMPOSITES (2006M), (2007F), (2021F), (2021M), (2022F), (2022M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M), P. 17.....	128
12.18. CONNECTOR COMPOSITES (2304M), (2305M), (2306M), (2307F), (2308F), (2502F), (2502M), (2503F, M), (2600F, M), P. 18.....	129
12.19. CONNECTOR COMPOSITES (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003), (3100M), (3200F, M), (3201M), (3202), (3203M), P. 19.....	130
12.20. CONNECTOR COMPOSITES (3204M, F), (3209), (3210M), (3211M), (4000), P. 20.....	131
12.21. CONNECTOR COMPOSITE (4001), P. 21.....	132
12.22. CONNECTOR COMPOSITE (4002), P. 22.....	133
12.23. CONNECTOR COMPOSITE (4003), P. 23.....	134
12.24. CONNECTOR COMPOSITES (4004), (4007), (4008), (4009), (4010), P. 24.....	135
12.25. CONNECTOR COMPOSITE (4014), P. 25.....	136
12.26. CONNECTOR COMPOSITE (4014), P. 26.....	137
12.27. CONNECTOR COMPOSITES (4015), (4017), (4018), (4019), (4020), (4021), (4022), (4023), P. 27.....	138
12.28. CONNECTOR COMPOSITES (4024), (4030), (4031), (4032), (4033), (4040), (4041), (4050), (4051), (4052), P. 28.....	139
12.29. CONNECTOR COMPOSITES (4054), (4056), (4058), (4060), (4061), (4062), (4087), (4098), (4070), (4071), P. 29.....	140
12.30. CONNECTOR COMPOSITE (4103), P. 30.....	141
12.31. CONNECTOR COMPOSITES (4105), (4111), (4120), (4301), P. 31.....	142
12.32. CONNECTOR COMPOSITES (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411), P. 32.....	143
12.33. CONNECTOR COMPOSITES (4411A), (4411B), (4412), (4415), (4450), (4450A), (4460A), (4460), P. 33.....	144
12.34. CONNECTOR COMPOSITE (4705), P. 34.....	145
12.35. CONNECTOR COMPOSITES (4810), (4820), (4830), (4840), (4850), (4900), P. 35.....	146
12.36. CONNECTOR COMPOSITES (4910), (4950), (4951), (4952), (6001), (6002), P. 36.....	147
12.37. CONNECTOR COMPOSITES (6007), (6008), (6009), (6011), (6012), P. 37.....	148
12.38. CONNECTOR COMPOSITE (6013M), P. 38.....	149
12.39. BLANK PAGE, P. 39.....	150
12.40. CONNECTOR COMPOSITES (6200), (6316), (6323), (6332), (6333), (6334), (6400), (6401), (6406), (6407), (6409), (6500), (6550), P. 40.....	151
12.41. CONNECTOR COMPOSITES (6703), (6704), (7103), (7104), (7104A), P. 41.....	152
12.42. CONNECTOR COMPOSITES (7200), (7202), (7203), P. 42.....	153
12.43. CONNECTOR COMPOSITES (7204), (7205), (7206), P. 43.....	154

12.44. CONNECTOR COMPOSITES (7207), (7208), (7211), (7212), (7213), (7300), (7301), P. 44.....	155
12.45. CONNECTOR COMPOSITES (7302), (7304), (7305), (7306), (7307), (7309), (7500), (7502), (7600), (7601), P. 45.....	156
12.46. CONNECTOR COMPOSITES (7603), (7604), (7605), (7606), (7607), (7608), (7609), (7610), (7611), (7700), P. 46.....	157
12.47. CONNECTOR COMPOSITES (7800), (7801), (7803), (7900), (7901), P. 47.....	158
12.48. CONNECTOR COMPOSITES (7905), (7906), (8000), (8001), (8102), (8150), (8151), (8200), P. 48.....	159
12.49. CONNECTOR COMPOSITES (8201), (8301), (8310), (8311), (8312), (8400), (8500), (8501), (8502), (8502A), P. 49.....	160
12.50. CONNECTOR COMPOSITES (8503), (8503A), (8505), (8506), (8507), (8508), (8509), (8600), (8601), (8602), P. 50.....	161
12.51. CONNECTOR COMPOSITES (8700), (8701), (8800), (8801), (8802), (8803), P. 51.....	162
12.52. CONNECTOR COMPOSITES (9001), (9002), (9100), (9101), (9102), (9254), (9255), P. 52.....	163
12.53. CONNECTOR COMPOSITES (9260), (9261), (9262), (9263), (9264), (9265), (9303A), P. 53.....	164
12.54. CONNECTOR COMPOSITES (9404), (9405), (9501), (9502), (9503), (9504), (9505), (9506), P. 54.....	165
12.55. CONNECTOR COMPOSITES (9507), (9508), (9509), (9510), (9511), (9512), (9513), (9514), (9515), P. 55.....	166
12.56. CONNECTOR COMPOSITES (9516), (9517), (9518), (9519), (9520A), (9520B), (9520D), (9520E), P. 56.....	167
12.57. CONNECTOR COMPOSITE (9700), P. 57.....	168
12.58. CONNECTOR COMPOSITE (9700), P. 58.....	169
12.59. CONNECTOR COMPOSITES (9715), (9715A), (9715B), P. 59.....	170
12.60. CONNECTOR COMPOSITES (9716), (9716A), (9716B), P. 60.....	171
12.61. CONNECTOR COMPOSITES (9717), (9717A), (9717B), P. 61.....	172
12.62. CONNECTOR COMPOSITES (9718), (9719), (9720), (9733), (9734), (9736), (9762), (9763), P. 62.....	173
12.63. CONNECTOR COMPOSITES (9777), (9800), P. 63.....	174
12.64. CONNECTOR COMPOSITES (9870), (9871), (9811), (9812), (9814), (9815), (9820M), (9850), (9900), (9900A), P. 64.....	175

1. INSTRUCTIONS AND CHARTS (CHAPTER 1)

1.1. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 1

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1																																			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION																																			
<p>PREFIX DESIGNATIONS</p> <table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">PREFIX</th> <th style="width: 90%;">LOCATION</th> </tr> </thead> <tbody> <tr><td>A</td><td>Cab-Instrument Panel Module</td></tr> <tr><td>B</td><td>Cab-Driver Control Module</td></tr> <tr><td>C</td><td>Cab-Header/Clearance Lights</td></tr> <tr><td>D</td><td>Cab-Roof/Rear Panel</td></tr> <tr><td>E</td><td>Cab-Left Door/Doors</td></tr> <tr><td>F</td><td>Cab-Right Door/Doors</td></tr> <tr><td>H</td><td>Cab-Sleeper</td></tr> <tr><td>J</td><td>Cab-Dash(outside)</td></tr> <tr><td>K</td><td>Engine/Radiator</td></tr> <tr><td>L</td><td>Transmission</td></tr> <tr><td>M</td><td>Chassis/Front End (Cab Dash Panel Forward)</td></tr> <tr><td>N</td><td>Chassis/Center Section (Cab Dash Panel to Cab RR Xmbr)</td></tr> <tr><td>P</td><td>Chassis/Wheel Base Section</td></tr> <tr><td>R</td><td>Chassis/Suspension/Rear Axle/Axles</td></tr> <tr><td>S</td><td>Chassis/AF Section/Stop/Tail/Turn Lights</td></tr> </tbody> </table>								PREFIX	LOCATION	A	Cab-Instrument Panel Module	B	Cab-Driver Control Module	C	Cab-Header/Clearance Lights	D	Cab-Roof/Rear Panel	E	Cab-Left Door/Doors	F	Cab-Right Door/Doors	H	Cab-Sleeper	J	Cab-Dash(outside)	K	Engine/Radiator	L	Transmission	M	Chassis/Front End (Cab Dash Panel Forward)	N	Chassis/Center Section (Cab Dash Panel to Cab RR Xmbr)	P	Chassis/Wheel Base Section	R	Chassis/Suspension/Rear Axle/Axles	S	Chassis/AF Section/Stop/Tail/Turn Lights
PREFIX	LOCATION																																						
A	Cab-Instrument Panel Module																																						
B	Cab-Driver Control Module																																						
C	Cab-Header/Clearance Lights																																						
D	Cab-Roof/Rear Panel																																						
E	Cab-Left Door/Doors																																						
F	Cab-Right Door/Doors																																						
H	Cab-Sleeper																																						
J	Cab-Dash(outside)																																						
K	Engine/Radiator																																						
L	Transmission																																						
M	Chassis/Front End (Cab Dash Panel Forward)																																						
N	Chassis/Center Section (Cab Dash Panel to Cab RR Xmbr)																																						
P	Chassis/Wheel Base Section																																						
R	Chassis/Suspension/Rear Axle/Axles																																						
S	Chassis/AF Section/Stop/Tail/Turn Lights																																						
<p>CIRCUIT NUMBER AND IDENTIFICATIONS</p> <table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">CIRCUIT NUMBER</th> <th style="width: 10%;">COLOR</th> <th style="width: 80%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>1</td><td>LTBL</td><td>ALTERNATOR - FIELD</td></tr> <tr><td>2</td><td>RD</td><td>ALTERNATOR - CHARGE</td></tr> <tr><td>3</td><td>DKBL GY</td><td>1708 DATA LINK, SWITCH DATA LINK (+) 1708 DATA LINK, SWITCH DATA LINK (-)</td></tr> <tr><td>4</td><td></td><td>SERIAL/DATA COMMUNICATION J1922</td></tr> <tr><td>5</td><td>YL GN</td><td>DRIVE TRAIN J1939 DATA LINK (+) DRIVE TRAIN J1939 DATA LINK (-)</td></tr> <tr><td>6</td><td>GY</td><td>LOW VOLTAGE ELECTRONIC FEED (< 9 VOLTS)</td></tr> <tr><td>7</td><td>RD</td><td>ALTERNATOR - RESISTANCE</td></tr> <tr><td>8</td><td></td><td></td></tr> </tbody> </table>								CIRCUIT NUMBER	COLOR	DESCRIPTION	1	LTBL	ALTERNATOR - FIELD	2	RD	ALTERNATOR - CHARGE	3	DKBL GY	1708 DATA LINK, SWITCH DATA LINK (+) 1708 DATA LINK, SWITCH DATA LINK (-)	4		SERIAL/DATA COMMUNICATION J1922	5	YL GN	DRIVE TRAIN J1939 DATA LINK (+) DRIVE TRAIN J1939 DATA LINK (-)	6	GY	LOW VOLTAGE ELECTRONIC FEED (< 9 VOLTS)	7	RD	ALTERNATOR - RESISTANCE	8							
CIRCUIT NUMBER	COLOR	DESCRIPTION																																					
1	LTBL	ALTERNATOR - FIELD																																					
2	RD	ALTERNATOR - CHARGE																																					
3	DKBL GY	1708 DATA LINK, SWITCH DATA LINK (+) 1708 DATA LINK, SWITCH DATA LINK (-)																																					
4		SERIAL/DATA COMMUNICATION J1922																																					
5	YL GN	DRIVE TRAIN J1939 DATA LINK (+) DRIVE TRAIN J1939 DATA LINK (-)																																					
6	GY	LOW VOLTAGE ELECTRONIC FEED (< 9 VOLTS)																																					
7	RD	ALTERNATOR - RESISTANCE																																					
8																																							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																	
					RELEASE NO.	DATE	PART NO.																																
					P52778H	09AUG00	AE08-52365																																
						SHEET	01																																

Figure 1 Circuit Number Identification and Location Chart

1.2. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 1

INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)

CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)

CIRCUIT NUMBER	COLOR	DESCRIPTION
9	GY	ZERO VOLT REFERENCE (ZVR)
10	WH	CHASSIS/ENGINE GROUND
11	WH	CAB/SLEEPER GROUND
12	LTBL	ACCESSORY FEED
13	PK BK	IGNITION FEED IGNITION FEED (BODY BUILDER CONNECTOR)
14	RD	BATTERY FEED
15	RD	KEY SWITCH FEED
16		
17	PK	STARTER CONTROL
18	PK	GLOW PLUG/PRE-HEATER
19	GY	ENGINE SHUTDOWN
20	LTGN	REMOTE POWER MODULE
21	TN	COLD START CONTROLS (ETHER)
22		
23	TN	ENGINE FAN/SHUTTERS
24	GY	ENGINE EXHAUST BRAKE
25	TN	PYROMETER
26	TN	AMMETER
27	TN	VOLTMETER
28	TN	INSTRUMENTS AND GAUGES
29	TN	ENGINE WATER TEMPERATURE
30	TN	ENGINE OIL TEMPERATURE
31	TN	TRANSMISSION OIL TEMPERATURE
32	TN	AXLE OIL TEMPERATURE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P52778H	09AUG00	AE08-52365
							SHEET 02

Figure 2 Circuit Number Identification and Location Chart (Cont.)

1.3. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 3

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 1			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)							
CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)											
CIRCUIT NUMBER		COLOR		DESCRIPTION							
33		TN		ENGINE OIL LEVEL							
34		TN		COOLANT LEVEL							
35		TN		ENGINE OIL PRESSURE							
36		TN		FUEL LEVEL							
37		TN		FUEL PUMP							
38											
39		GY		AIR DRYER HEATER							
40		GY		LOW AIR PRESSURE WARNING							
41		TN		AIR TEMPERATURE							
42		GY		FRONT AXLE ENGAGED							
43		GY		POWER DIVIDER LOCK (PDL) WARNING							
44		GY		PARK BRAKE WARNING							
45		LTGN		ANTI - THEFT WARNING							
46		GY		POWER TAKE - OFF WARNING							
47		GY		SPEEDOMETER							
48		GY		TACHOMETER							
49		GY		DIFFERENTIAL LOCK WARNING							
50		YL		LIGHT SWITCH FEED							
51		YL		DIMMER SWITCH FEED							
52		YL		HEADLIGHT HI - BEAM							
53		YL		HEADLIGHT LO - BEAM							
54		BN		PARKING/MARKER LIGHTS							
55		OR		TURN SIGNAL - FEED							
56		OR YL		TURN SIGNAL LIGHTS - LEFT TURN SIGNAL LIGHTS - LEFT (BODY BUILDER CONNECTION)							
57		OR LT GN		TURN SIGNAL LIGHTS - RIGHT TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION)							
CHK	DATE	CHANGE		REV	REFERENCE	DRAWN		NAME			
PEC	16JAN01	PRODUCTION RELEASE.		A	P54304U	U00DLCK		42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS			
						RELEASE NO.		DATE		PART NO.	
						P52778H		15 MAY 00		AE08-52365	
										SHEET	
										03	

Figure 3 Circuit Number Identification and Location Chart (Cont.)

1.4. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 4

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					CHAPTER 1	
					INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)	
CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)						
CIRCUIT NUMBER		COLOR	DESCRIPTION			
58		BN	CLEARANCE/IDENTIFICATION LIGHTS			
59		GY	SOLENOID			
60		OR	HAZARD LIGHTS			
61		GY	AIR SUSPENSION			
62		DKBL	PANEL LIGHTS			
63		DKBL	COURTESY/DOME LIGHTS			
64		YL	FOG/DRIVING LIGHTS			
65		OR	CAB REAR FLOOD LIGHT			
66		YL	DAYTIME RUNNING LIGHTS			
67						
68		BN	TAIL LIGHTS			
69		BN	LICENSE PLATE LIGHT			
70		OR RD	STOP LIGHTS STOP LIGHTS (BODY BUILDER CONNECTION)			
71		OR LTBL	BACK - UP LIGHTS BACK - UP LIGHTS (BODY BUILDER CONNECTION)			
72		OR	TRAILER AUXILIARY FEED - BATTERY			
73		LTGN	PWM			
74		LTGN	HEATER RECIRC MOTOR			
75		LTGN	HEATER BLOWER MOTOR			
76		LTGN	AUXILIARY FAN			
77		LTGN	AIR CONDITIONER			
78		LTGN	MIRRORS - HEATED; MOTORIZED			
79		GY	SEAT BELTS			
80		BK	SLEEPER BOX RELAY - FEED			
81		LTGN	POWER DOOR LOCKS			

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P52778H	15MAY00	AE08-52365
					SHEET		
					04		

Figure 4 Circuit Number Identification and Location Chart (Cont.)

1.5. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 5

INTERNATIONAL TRUCK AND ENGINE CORPORATION

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT
TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF
INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 1

INTERNATIONAL CIRCUIT NUMBER
IDENTIFICATION AND LOCTION (CONT.)

CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)

CIRCUIT NUMBER	COLOR	DESCRIPTION
82	GY	WINDSHIELD WIPER
83	LTGN	POWER WINDOWS
84	LTGN	CIGAR LIGHTER
85	GY	HORN
86	LTGN	RADIO - ENTERTAINMENT/CLOCK
87	GY	WINDSHIELD WASHER
88	LTGN	CLOCK/HOURMETER
89	VT	AIR BAG
90	GY	HYDRAULIC BRAKE PUMP
91	VT	INTERCOMMUNICATIONS
92	TN	TRANSMISSION CONTROLS - ELECTRONIC
93	TN	AXLE SHIFT CONTROL
94	GY	ANTILOCK BRAKE SYSTEM
95	TN	EXHAUST EMISSION
96	YL	SNOW PLOW LIGHTS/CRUISE CONTROL
97	VT	ENGINE CONTROLS - ELECTRONIC
98	BK	DATALINK AND DIAGNOSTICS
99	VT	ACCELERATOR POSITION SENSOR (APS)
100		AIR HORN (ELECTRIC SOLENOID ACTUATED)
101		BRAKE APPLICATION AIR
102		FLASH TO PASS

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
PEC	18JUN01	ADDED CLOCK TO #86.	B	P54634F	RELEASE NO. P52778H	DATE 15MAY00 PART NO. AE08-52365

SHEET
05

Figure 5 Circuit Number Identification and Location Chart (Cont.)

1.6. NAVPAK/ECM I6 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION, P. 6

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1 INTERNATIONAL NAVPAK/ECM I6 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION			
ECM PIN #	TERM	DESCRIPTION	ECM PIN #	TERM	DESCRIPTION		
12	AAT	AMBIENT AIR TEMP. SENSOR	27	IVS	IDLE VALIDATION SWITCH		
33	ACD	A/C DEMAND	54	OWL	OIL/WATER WARNING LIGHT		
8	APS	ACCELERATOR POS. SENSOR	25	PWR RLY	CEC MAIN POWER RELAY SIGNAL		
16	ATA(+)	J1708 DATALINK (+)	31	RAS	RESUME/ACCELERATE		
17	ATA(-)	J1708 DATALINK (-)	37	RPRF	PRESET SPEED		
29	BAP	BAROMETRIC AIR PRESS. SENSOR	30	RPS	REMOTE ACCELERATOR POS. SENS. SIG.		
43	BN01	BRAKE STATUS #1	6	RPS_RTN	REMOTE ACCELERATOR POS. SENS RTN.		
44	BN02	BRAKE STATUS #2	36	RVAR	VARIABLE SPEED SWITCH		
18	CAN SHLD	DRIVETRAIN J1939 DATALINK SHLD	32	SCS	SET/COAST		
19	CAN(+)	DRIVETRAIN J1939 DATALINK (+)	45	SIL	SERVICE INTERVAL LIGHT		
20	CAN(-)	DRIVETRAIN J1939 DATALINK (-)	34	STI	SELF TEST INPUT		
15	CBE_SEL1	RETARDER/EXHAUST BRAKE REQUEST	48	SUL	SHIFT UP LIGHT		
10	CLS	COOLANT LEVEL SENSOR	59	TACA	TACHOMETER A		
35	COD	CRUISE ON/OFF	60	TACB	TACHOMETER B		
21	DC (+)	POWER	38	TCSS	TORQUE CURVE SELECTION INPUT		
22	DC (+)	POWER	28	TSA	TWO SPEED AXLE		
1	DC (-)	GROUND	3	VBREF(5V)	ACCELERATOR SENSOR SUPPLY		
2	DC (-)	GROUND	11	VBREF GND	ACCELERATOR SENSOR GROUND		
26	DDS	DRIVELINE DISENGAUGED INPUT	5	VCREF(5V)	REMOTE ACCELERATOR SENS. SUPPLY		
42	DPS	GROUND	7	VCREF GND	REMOTE ACCELERATOR SENSOR GND		
46	ECI	ENGINE CRANK INHIBIT	24	VIGN	IGNITION FEED		
56	EDL	TRANSMISSION KICKDOWN	47	VRE	RETARDER/EXHAUST BRAKE ENABLE		
53	GPL	GLOW PLUG LIGHT	39	VSS(+)	VEHICLE SPEED SENSOR (+)		
4	HGE	HYD. PRESS GOVERNOR ENABLE	40	VSS(-)	VEHICLE SPEED SENSOR (-)		
49	HMI	HYDRAULIC PRESS GOVERNOR IND. LT	58	VSSCALA	SPEEDOMETER SIGNAL A		
13	HPS	HYDRAULIC PRESSURE SENSOR	57	VSSCALB	SPEEDOMETER SIGNAL B		
41	HSO (+)	POWER	55	WARN	ENGINE WARNING LIGHT		
23	HSO (-)	GROUND					
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO. SHEET
					P52778H	09AUG00	AE08-52365 06

Figure 6 NAVPAK/ECM I6 Engine Controller Connector Pin Number Identification

1.7. CIRCUIT DIAGRAM INSTRUCTIONS, P. 7

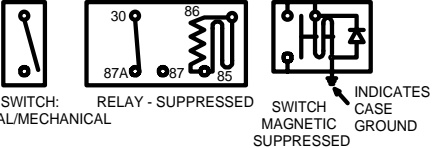
INTERNATIONAL TRUCK AND ENGINE CORPORATION

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1

CIRCUIT DIAGRAM INSTRUCTIONS

A - SWITCH AND RELAY POSITIONS AS SHOWN ON CIRCUIT DIAGRAMS INDICATE NORMAL POSITION WITH IGNITION OFF UNLESS OTHERWISE NOTED.

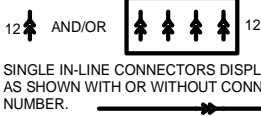


SWITCH: MANUAL/MECHANICAL

RELAY - SUPPRESSED

SWITCH MAGNETIC GROUND SUPPRESSED

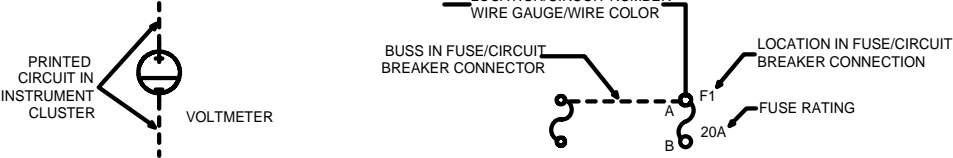
B - MULTIPLE CONNECTIONS ARE DISPLAYED ON SCHEMATIC AS SHOWN. REFER TO CONNECTOR COMPOSITE WITH APPLICABLE NUMBER FOR MORE COMPLETE INFORMATION.



12 AND/OR 12

SINGLE IN-LINE CONNECTORS DISPLAYED AS SHOWN WITH OR WITHOUT CONNECTOR NUMBER.

C - PHANTOM LINES INDICATE PRINTED CIRCUITS OR BUSSED CIRCUITS. THESE CIRCUITS EXIST IN THE INSTRUMENT CLUSTERS AND FUSE/CIRCUIT BREAKER CONNECTORS.



PRINTED CIRCUIT IN INSTRUMENT CLUSTER

VOLTMETER

BUSS IN FUSE/CIRCUIT BREAKER CONNECTOR

LOCATION/CIRCUIT NUMBER

WIRE GAUGE/WIRE COLOR

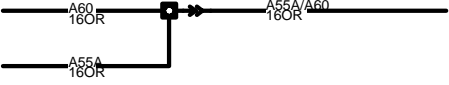
LOCATION IN FUSE/CIRCUIT BREAKER CONNECTION

F1

20A

FUSE RATING

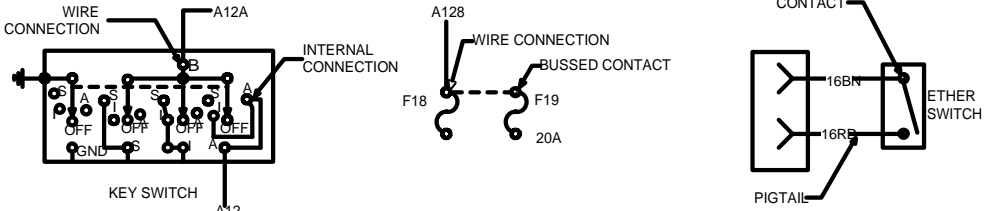
D - MULTIPLE CIRCUIT NUMBERS ON A LINE INDICATE ONE WIRE DISTRIBUTING CURRENT TO TWO CIRCUITS.



A60 16OR

A55A/A60 16OR

E - SWITCHES, RELAYS AND COMPONENTS INDICATE EXTERNAL WIRE CONNECTIONS AND/OR INTERNAL CONNECTIONS OR CONTACTS.



WIRE CONNECTION

A12A

INTERNAL CONNECTION

KEY SWITCH

A12

CONTACT

16BN

16RB

ETHER SWITCH

PIGTAIL

WIRE CONNECTION

A12B

BUSSED CONTACT

F18

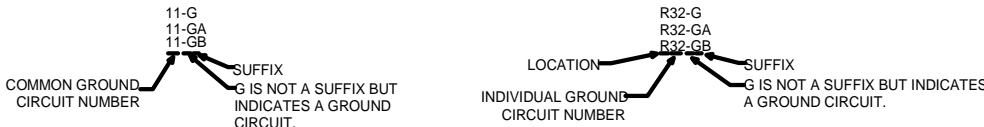
F19

20A

F - CIRCUIT "11" DENOTES ANY COMMON GROUND, (MORE THAN ONE CIRCUIT). ANY INDIVIDUAL GROUND CIRCUIT IS IDENTIFIED WITH THAT PARTICULAR CIRCUIT NUMBER. (E.G CIRCUIT 97 CRUISE CONTROL, IS IDENTIFIED PER EXAMPLE).

NOTE: FOR CIRCUIT DESCRIPTION OTHER THAN GROUNDS, NEITHER THE LETTER "G" NOR THE COLOR WHITE SHALL BE USED.

GROUND CIRCUITS ARE DESCRIBED THIS:



COMMON GROUND CIRCUIT NUMBER

SUFFIX

G IS NOT A SUFFIX BUT INDICATES A GROUND CIRCUIT.

INDIVIDUAL GROUND CIRCUIT NUMBER

SUFFIX

G IS NOT A SUFFIX BUT INDICATES A GROUND CIRCUIT.

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	16JAN01	PRODUCTION RELEASE	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					P52778H	15MAY00
						PART NO.
						AE08-52365
						SHEET
						07

Figure 7 Circuit Diagram Instructions

1.8. CIRCUIT DIAGRAM INSTRUCTIONS, P. 8

INTERNATIONAL TRUCK AND ENGINE CORPORATION

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 1

CIRCUIT DIAGRAM INSTRUCTIONS

G - ABBREVIATIONS: COLOR, NOUN AND ENGINE

COLOR ABBREVIATION

AQ - AQUA

BK - BLACK

BL - BLUE

BN - BROWN

DK GN - DARK GREEN

GD - GOLD

GY - GRAY

GN - GREEN

LT BL - LIGHT BLUE

LT GN - LIGHT GREEN

OR - ORANGE

PK - PINK

PL - PURPLE

RD - RED

SIL - SILVER

TN - TAN

VT - VIOLET

WH - WHITE

YL - YELLOW

NOUN ABBREVIATION

A

ACC

AC

AUX

AWG

B

BAT

CONN-

DRL

ENG

FWD

GA

ACCESSORY

AIR CONDITIONER

AUXILIARY

AMERICAN WIRE GAUGE

BATTERY

CONNECTION OR CONNECTOR

DAYTIME RUNNING LIGHTS

ENGINE

FORWARD

GAUGE

G

GND

I

IGN

IND

L

LT

W/O

OPT

R

S

THERMO

W/

GROUND

IGNITION

INDICATOR

LEFT

RIGHT

WITHOUT

OPTIONAL

RIGHT

START OR SENDER

THERMOSTAT

WITH

ENGINE ABBREVIATION

ISM

N14E PLUS

C-10,C-12

V8-AVNT

I6-HEUI

- MFG (CUMMINS) 10.8 LITER ELECTRONIC ENGINE CONTROL

- MFG (CUMMINS) 14 LITER ELECTRONIC ENGINE CONTROL

- MFG (CATERPILLAR) 10.3 LITER ELECTRONIC ENGINE CONTROL








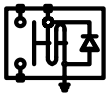











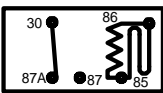

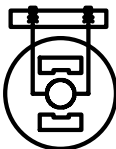

- MFG (INTERNATIONAL) V8 6.0 LITER ELECTRONIC ENGINE CONTROL



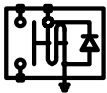



- MFG (INTERNATIONAL) NGD I6 DT466 & DT/HT530 ELECTRONIC ENGINE CONTROL

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P52778H	10AUG00	AE08-52365
							SHEET
							08

Figure 8 Circuit Diagram Instructions (Cont.)

1.9. SCHEMATIC SYMBOL CHART, P. 9

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM		
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					CHAPTER 1		
					SCHEMATIC SYMBOL CHART		
SYMBOL		DESCRIPTION			SYMBOL		
		MALE/FEMALE IN-LINE CONNECTION					
		FEMALE TERMINAL					
		MALE TERMINAL					
		GROUND					
		FUSE					
		LIGHT EMITTING DIODE					
		RESISTOR					
		SWITCH CONTACT, NORMALLY OPEN					
		SWITCH CONTACT, NORMALLY CLOSED					
		JUNCTION POINT					
		SPLICE					
		SWITCH-PRESSURE					
		SWITCH-MANUAL/MECHANICAL					
		RELAY-SUPPRESSED					
		SOLENOID - GENERAL USAGE					
		MOTOR - ELECTRIC					
		CIGAR LIGHTER					

DESCRIPTION		SYMBOL	
HORN			
SPEAKER - SOUND SYSTEM			
MAGNETIC SWITCH			
LIGHT - SINGLE FILMENT			
LIGHT - DOUBLE FILAMENT			
SENDER - OIL, WATER, FUEL, TEMPERATURE			

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P52778H	19MAY00	AE08-52365
							SHEET 09

Figure 9 Schematic Symbol Chart

1.10. RELAY FUNCTIONS, P. 10

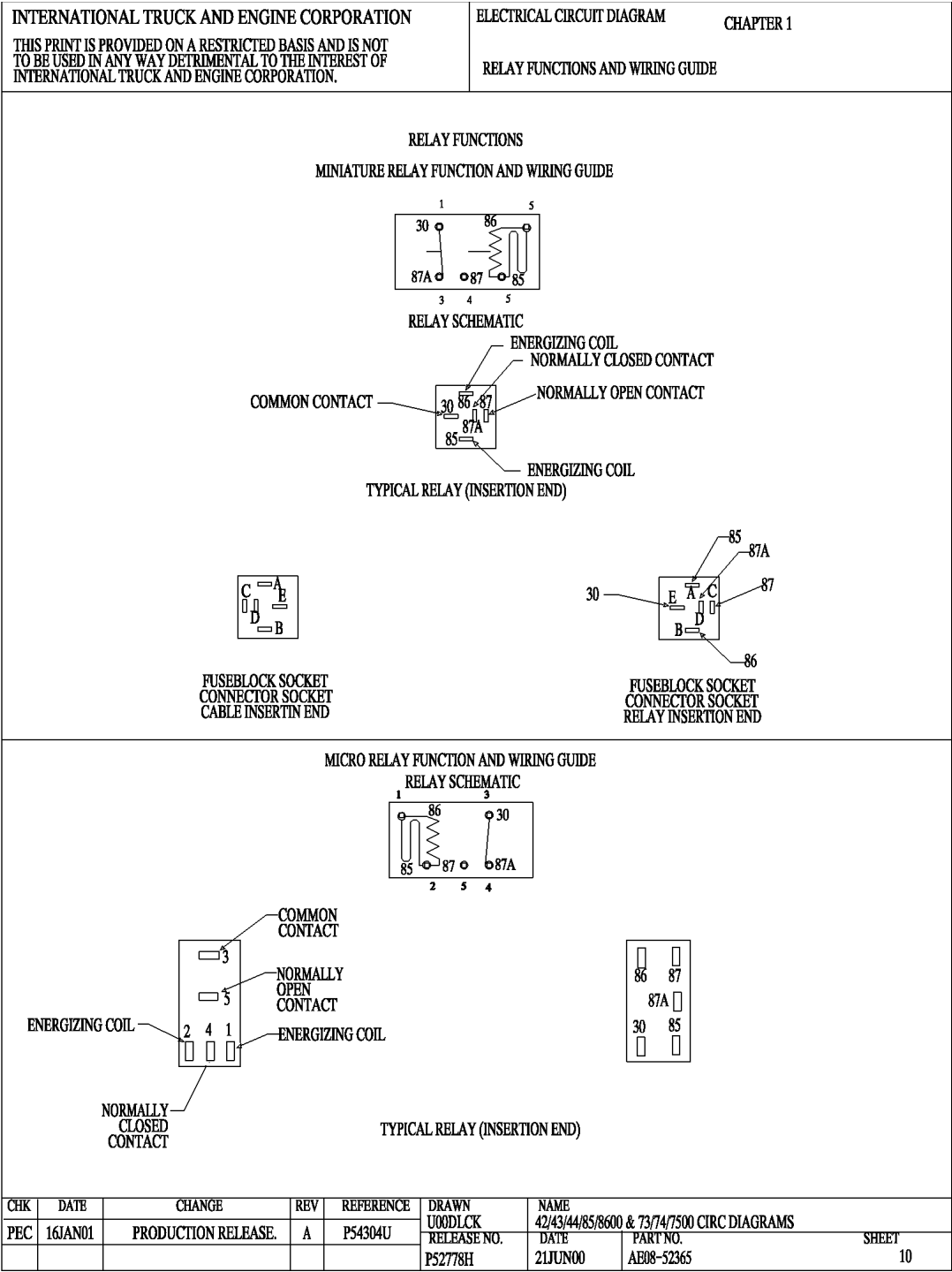


Figure 10 Relay Functions

1.11. LAMP BULB CHART, P. 11

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 1	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				LAMP BULB CHART			
BULB APPLICATION		CANDLEPOWER OR WATTS		BULB TRADE NUMBER			
BACK-UP LIGHTS		32 CANDLEPOWER		GE1156			
CLEARANCE & IDENTIFICATION		3 CANDLEPOWER		GE193			
COURTESY LIGHT		3 CANDLEPOWER		GE168			
DOME LIGHTS		12 CANDLEPOWER		GE561			
FOG LIGHTS		55 CANDLEPOWER		VH550			
HEAD LIGHTS:							
LOW BEAMS		65 WATTS		GE9007			
HIGH BEAMS		65 WATTS		GE9007			
INSTRUMENT CLUSTER:							
GAUGE BACK LIGHT				082S270538-3			
GAUGE WARNING LED (RED)				082S272109-3			
RANGE INHIBIT LED (YELLOW)				082S272109-4			
COLD AMBIENT PROTECTION LED (YELLOW)				082S272109-4			
FUEL FILTER LED (YELLOW)				082S272109-4			
WARN ENGINE LED (YELLOW)				082S272109-4			
STOP ENGINE LED (RED)				082S272109-3			
BRAKE PRESSURE LED (RED)				082S272109-3			
BRAKE FLUID LED (RED)				082S272109-3			
WAIT TO START LED (YELLOW)				082S272109-4			
CHECK TRANSMISSION LED (YELLOW)				082S272109-4			
TRAILER ABS LED (YELLOW)				082S272109-4			
WASHER FLUID LED (YELLOW)				082S272109-4			
LEFT TURN SIGNAL LED (GREEN)				082S272109-2			
TRACTION CONTROL LED (GREEN)				082S272109-2			
WATER IN FUEL LED (YELLOW)				082S272109-4			
PARK FLUID LED LIGHT (RED)				082S272109-3			
CHECK ELECTRICAL SYSTEMS LED (YELLOW)				082S272109-4			
PARK BRAKE LED (RED)				082S272109-3			
CRUISE CTRL ACTIVE LED (GREEN)				082S272109-2			
ANTILOCK BRAKING SYSTEM LED (YELLOW)				082S272109-4			
RIGHT TURN LED (GREEN)				082S272109-2			
COOLANT LEVEL LED (RED)				082S272109-3			
SEAT BELT LED (RED)				082S272109-3			
HIGH BEAM ICON LED (BLUE)				082S272109-5			
CHECK AIR CONDITIONER LED (YELLOW)				082S272109-4			
RETARD OVER HEAT LED (RED)				082S272109-3			
PTO/THROTTLE LED (RED)				082S272109-3			
MAP LIGHT		3 CANDLEPOWER		1816			
SIDE MARKER				2458			
STOP & TURN/TAIL & LICENSE PLATE		32/3 CANDLEPOWER		1157			
TURN SIGNAL/MARKER (FENDER)				3157			
TURN SIGNAL & MARKER LIGHT				2356			
WORK (TRAILER HOOK-UP) LIGHT				4411			
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
PEC	18JUN01	REVISED DRWG SHEET.	B	P54634F	RELEASE NO. P52778H	DATE 20JUN00	PART NO. AE08-52365
							SHEET 11

Figure 11 Lamp Bulb Chart

1.12. NAVPAK/ECM V8-AVNT CONTROLLER CONNECTORS X3 AND X4 PIN NUMBER IDENTIFICATION, P.12

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				INTERNATIONAL NAVPAK/ECM V8-AVNT CONTROLLER CONNECTORS X3 & X4 PIN NUMBER IDENTIFICATION			
CONNECTOR (X3)				CONNECTOR (X4)			
ECM PIN #	TERM	DESCRIPTION		ECM PIN #	TERM	DESCRIPTION	
1	FPM	FUEL PUMP MONITOR		1	KL.87	BATTERY POWER	
2	FLI	FUEL LEVEL INDICATOR		2	KL.87	BATTERY POWER	
3	KL.15	IGNITION FEED		3		NOT POPULATED	
4	ECL	ENGINE COOLANT LEVEL		4	VBREF	SENSOR REFERENCE VOLTAGE	
5	MPR	MAIN POWER RELAY		5		NOT POPULATED	
6	KL.31	GROUND		6	LSI_SPARE2	LOW SPEED INOUT 2	
7	KL.31	GROUND		7		NOT POPULATED	
8	DDS	DRIVELINE DISENGAGE SWITCH		8		NOT POPULATED	
9	FPC	FUEL PUMP CONTROL		9	VSS-	VEHICLE SPEED SENSOR-	
10	TCSS	TORQUE CURVE SELECT SWITCH		10	VSS+	VEHICLE SPEED SENSOR+	
11	TACH	TACHOMETER CONTROL		11		NOT POPULATED	
12	CAN1+	DRIVETRAIN J1939 DATALINK +		12	IVS	IDLE VALIDATION SWITCH	
13	CAN1-	DRIVETRAIN J1939 DATALINK -		13		NOT POPULATED	
14	RAS	RESUME/ACCELERATE		14	EFAN	ELECTRIC FAN CONTROL	
15	CAN1-SHLD	DRIVETRAIN 1939 DATALINK SHLD		15	LSO_SPARE4	LOW SIDE OUTPUT 4	
16		NOT POPULATED		16		NOT POPULATED	
17	VSS_CAL	VEHICLE SPEED SENSOR CALIBRATION		17		NOT POPULATED	
18	VRE	VEHICLE RETARDER ENABLE		18	APS	ACCELERATION POSITION SENSOR	
19	RPRE	REMOTE PRESET PTO ENABLE		19		NOT POPULATED	
20	RVAR	REMOTE VARIABLE PTO ENABLE		20	ATA+	J1708 DATALINK +	
21	SCS	SET/COAST		21	ATA-	J1708 DATALINK -	
22	ESHTR	ELECTRONIC SHUTTER RELAY		22		NOT POPULATED	
23	ECI	ENGINE CRANK INHIBIT		23	GSC	GENSET SPEED CONTROL	
24	BAP	BAROMETRIC AIR PRESSURE		24	KL.31B	SENSOR REFERENCE GROUND	
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
					U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P54304U	16JAN01	AE08-52365
							SHEET 12

Figure 12 NAVPAK/ECM V8-AVNT Controller Connectors X3 and X4 Pin Number Identification

2. 12 VOLT POWER DISTRIBUTION CIRCUIT DIAGRAMS (CHAPTER 2)

2.1. ACCESSORY, P. 1

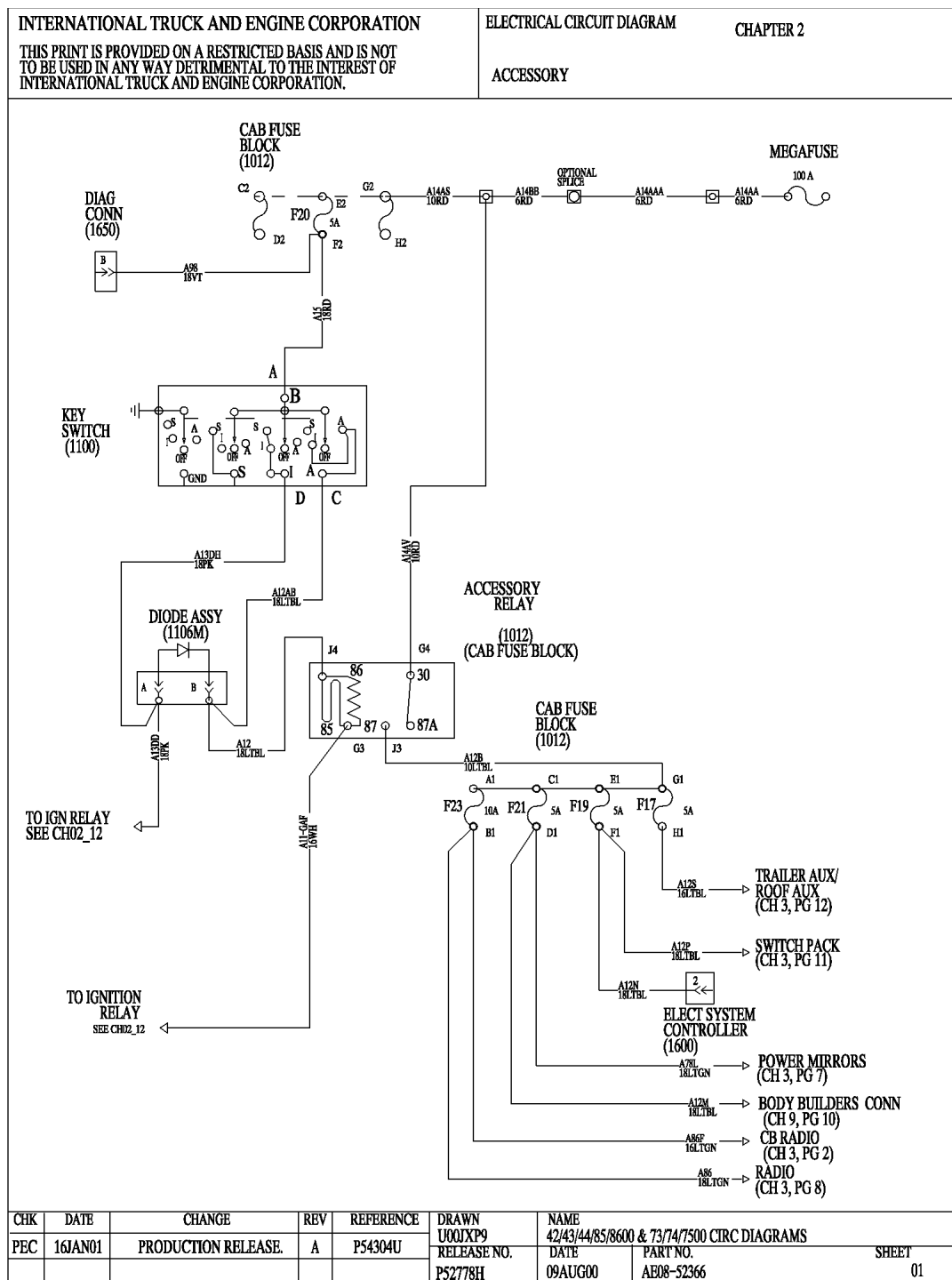


Figure 13 Accessory

2.2. BATTERY FEEDS, CAB, P. 2

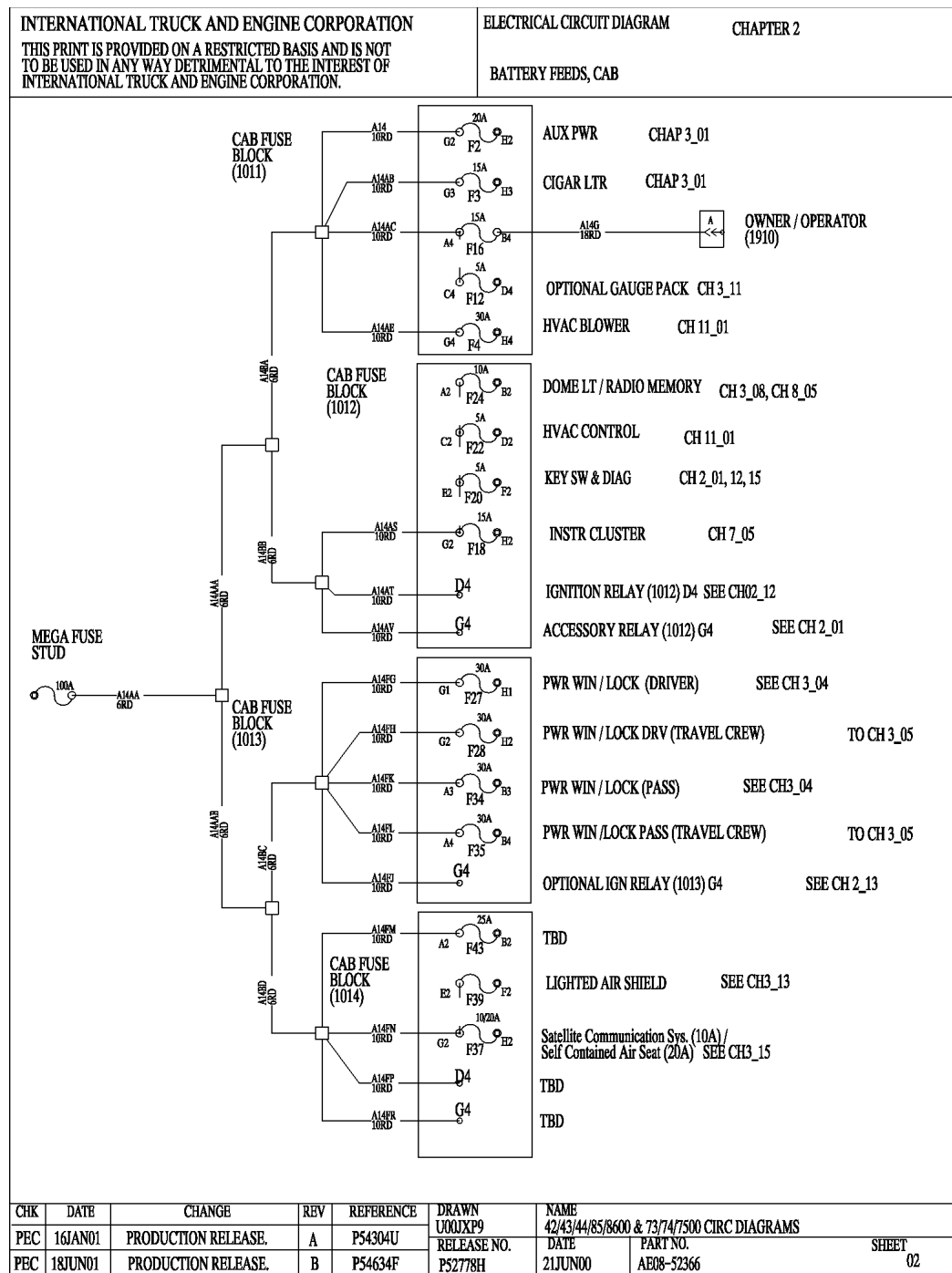


Figure 14 Battery Feeds, Cab

2.3. BATTERY, P. 3

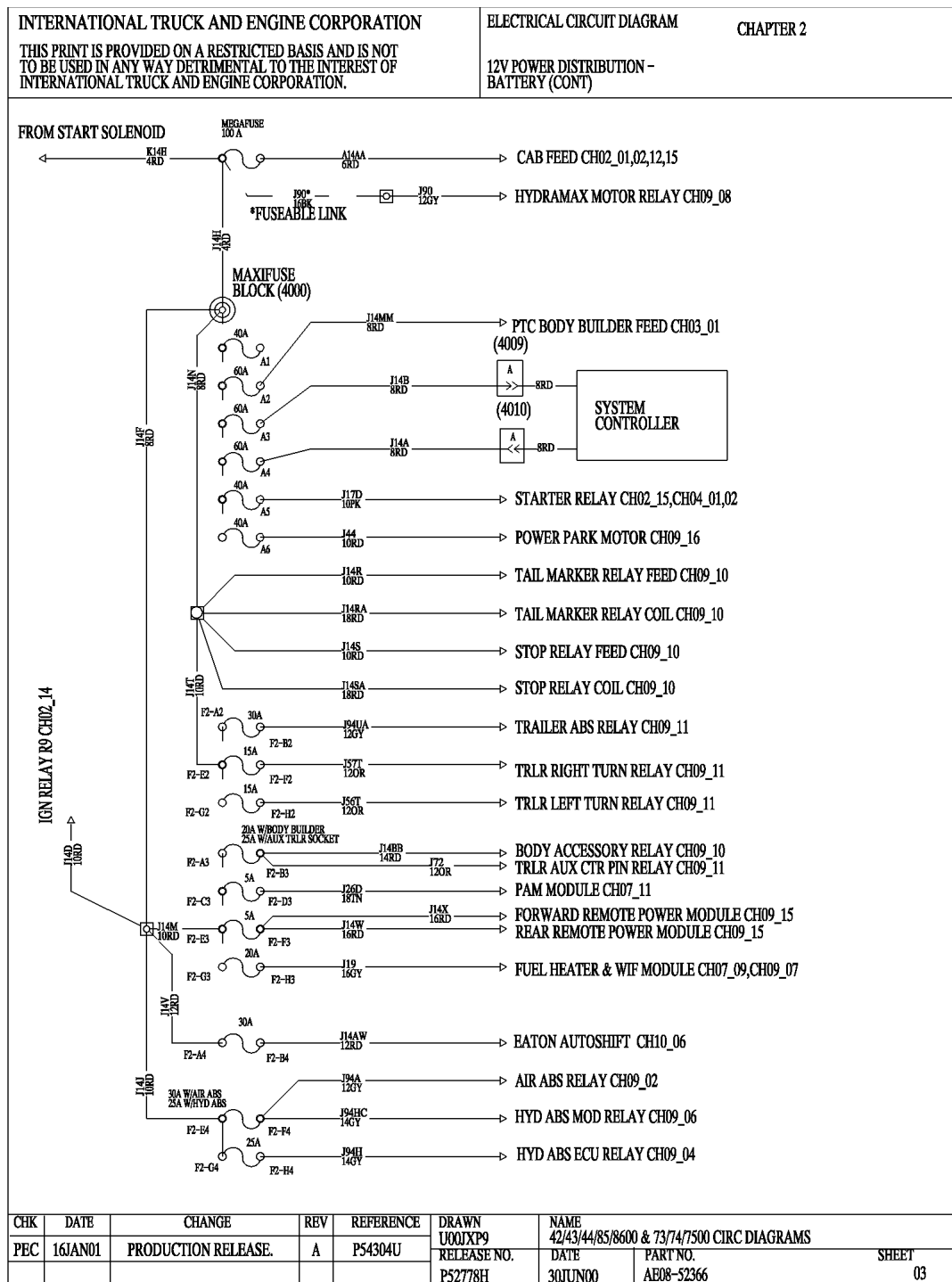


Figure 15 Battery

2.4. 1708 DATA LINK, P. 4

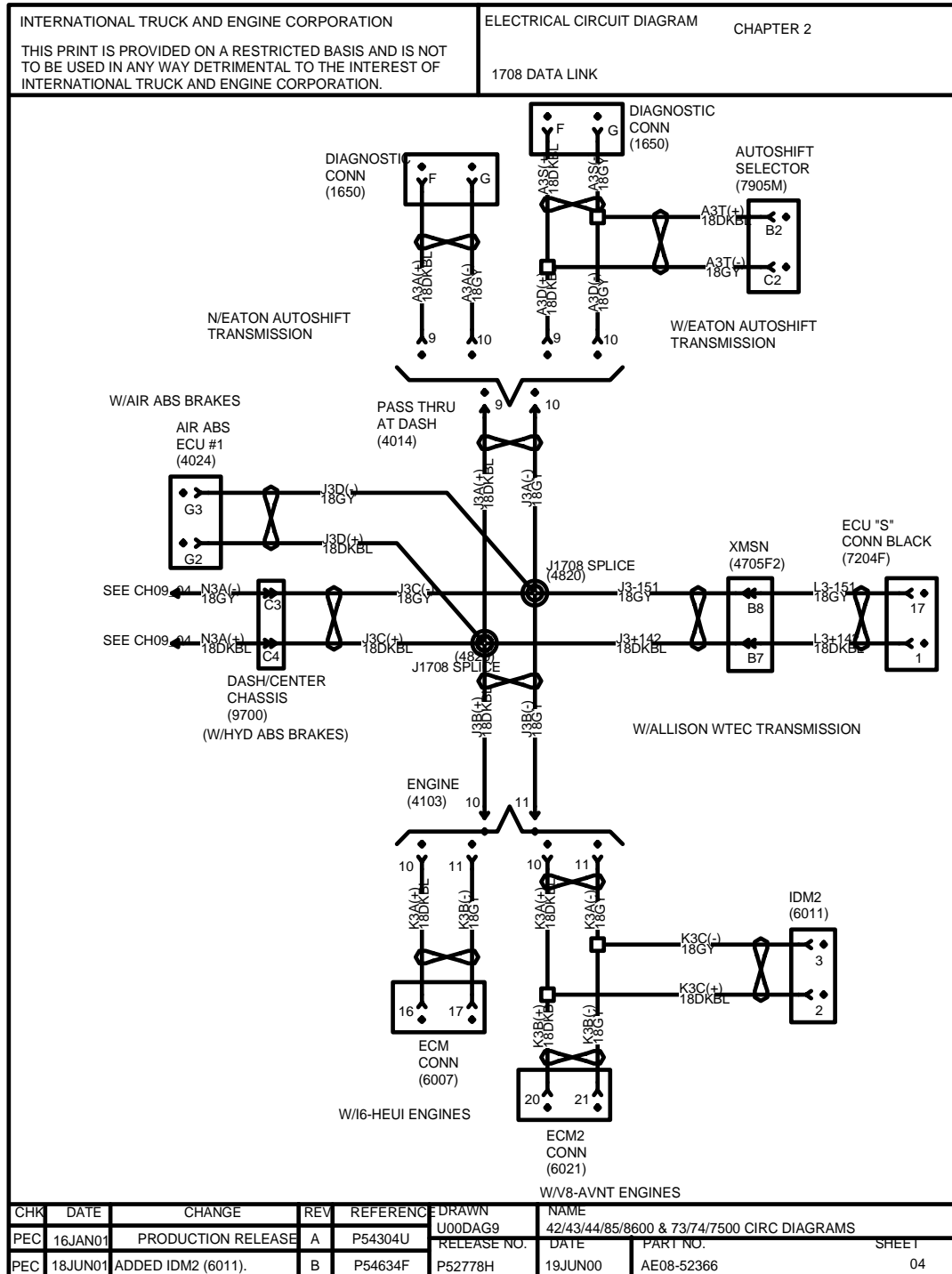


Figure 16 1708 Data Link

2.5. SWITCH DATA LINK, P. 5

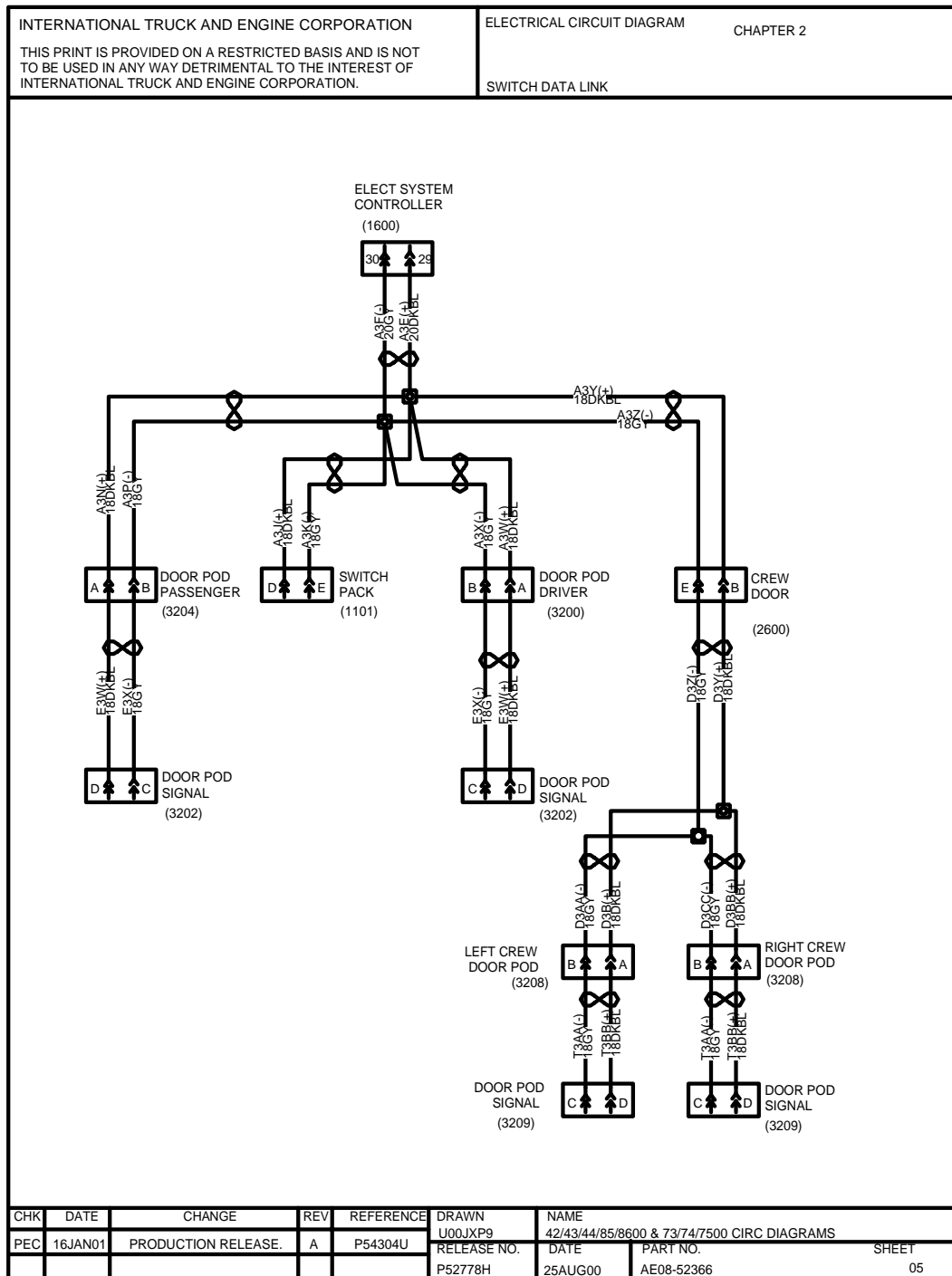


Figure 17 Switch Data Link

2.6. DRIVETRAIN 1939 DATA LINK (CAB), P. 6

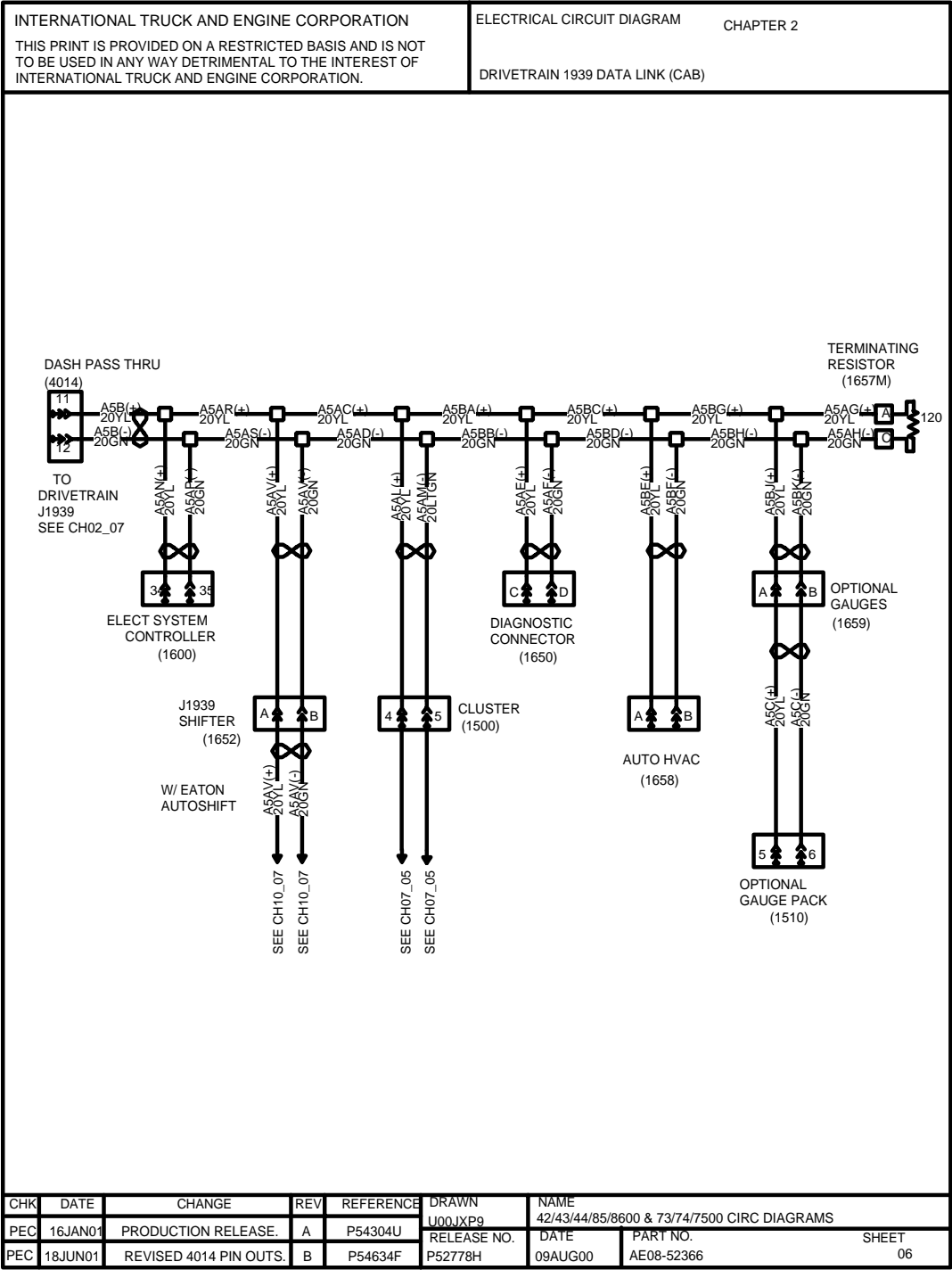


Figure 18 Drivetrain 1939 Data Link (Cab)

2.7. DRIVETRAIN 1939 DATA LINK (CHASSIS), P. 7

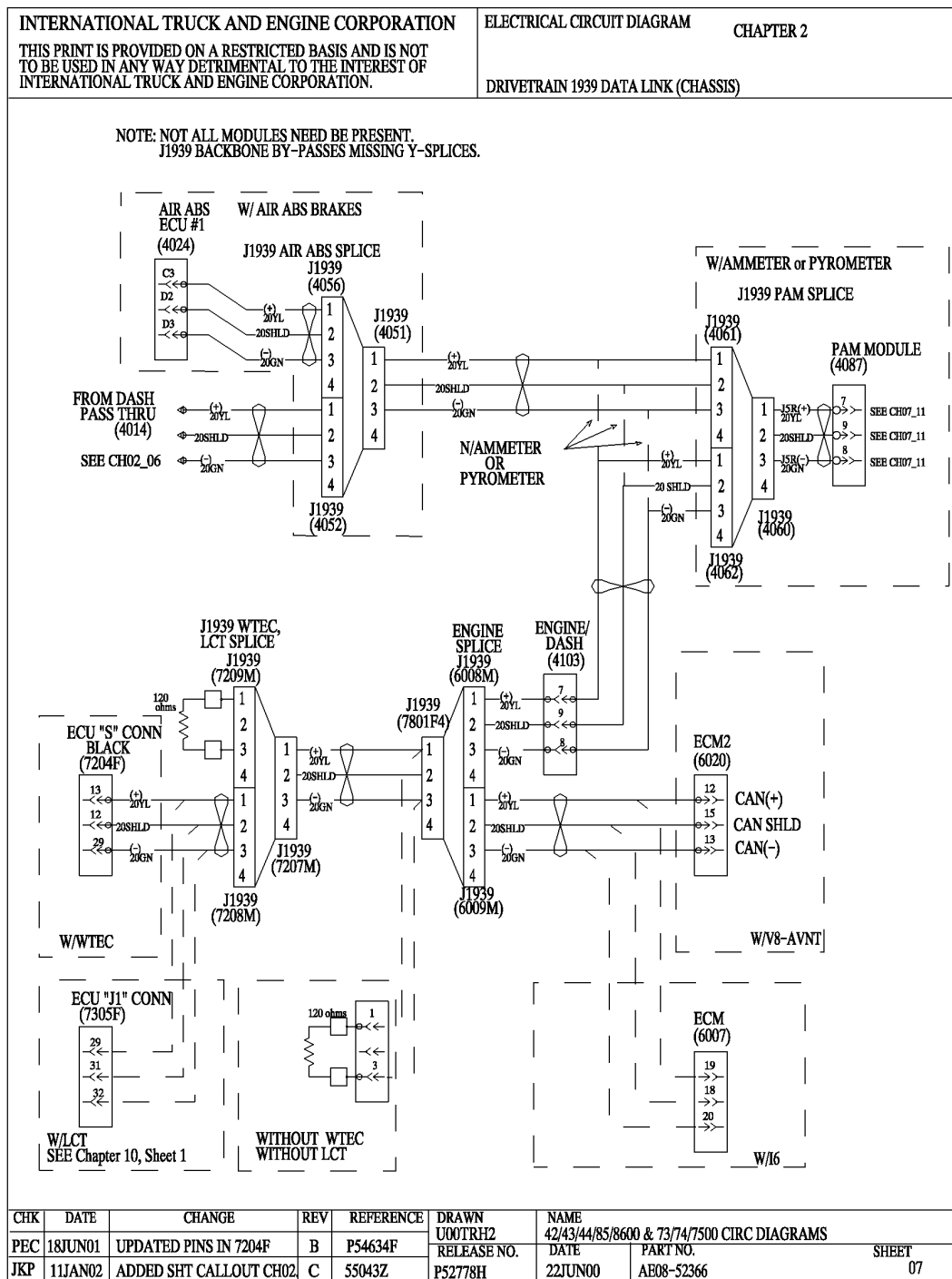


Figure 19 Drivetrain 1939 Data Link (Chassis)

2.8. GROUNDS CHASSIS, P. 8

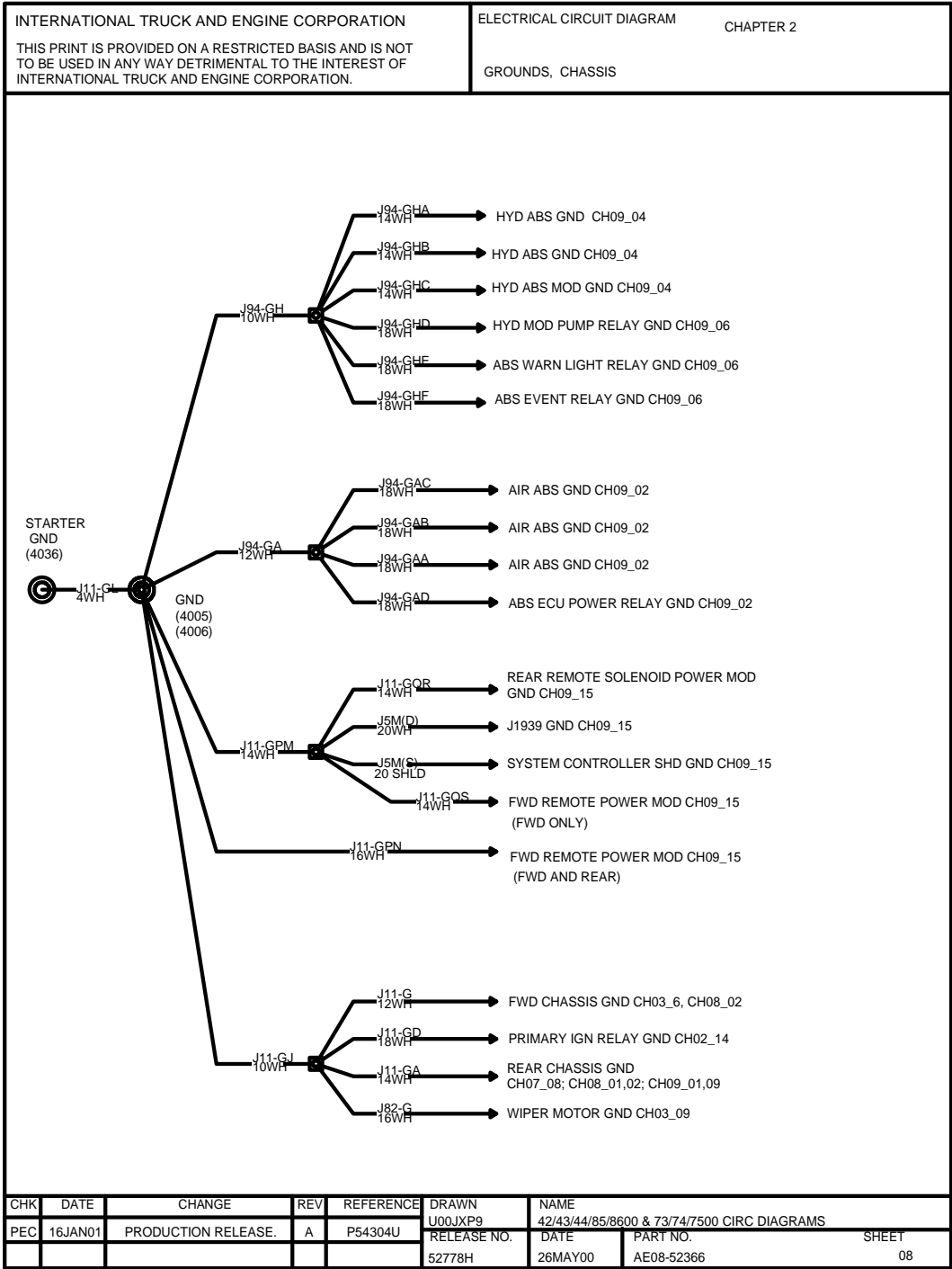


Figure 20 Grounds Chassis

2.9. GROUNDS CHASSIS, P. 9

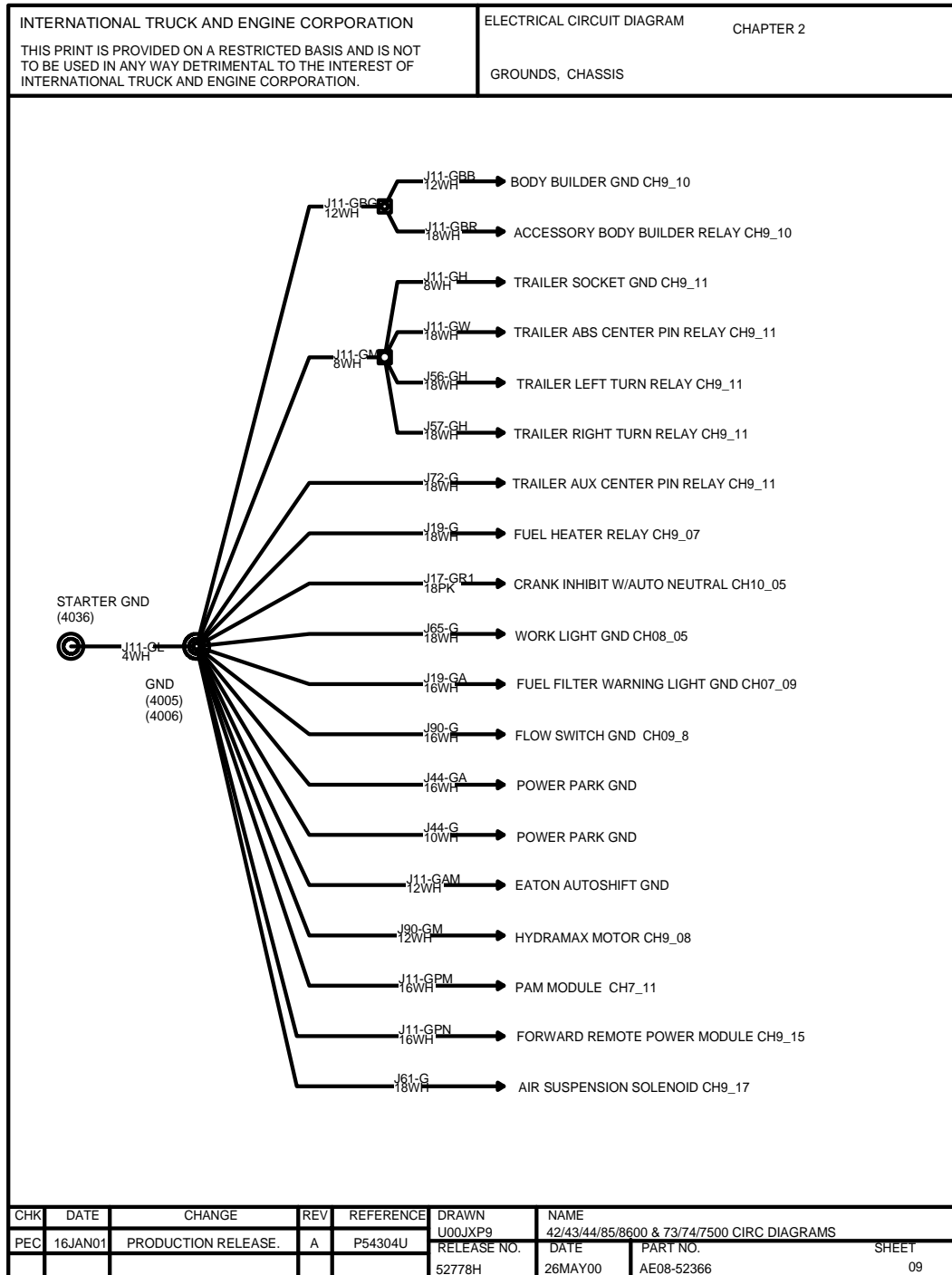


Figure 21 Grounds Chassis (Cont.)

2.10. GROUNDS IP, P. 10

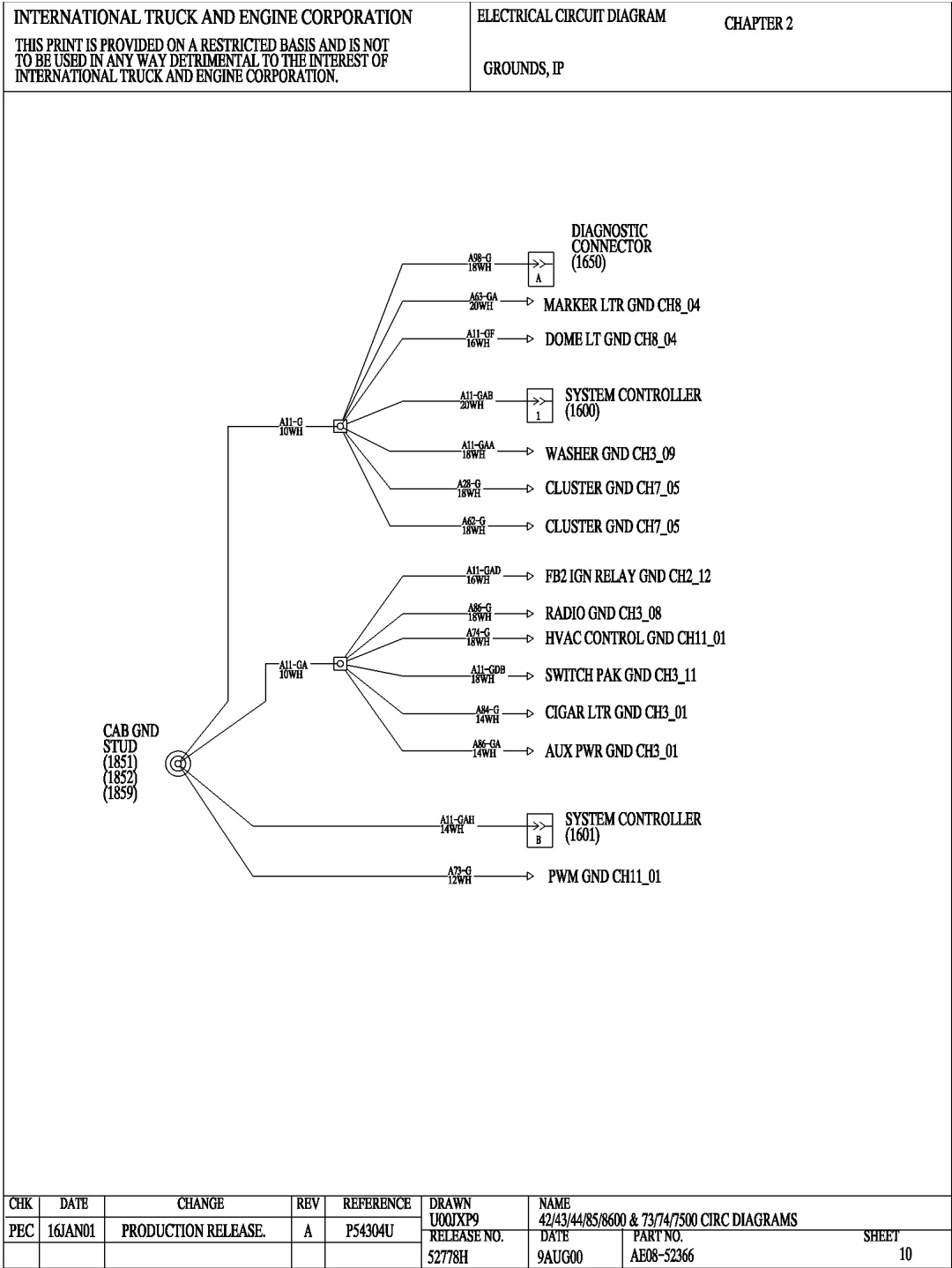


Figure 22 Grounds IP

2.11. GROUNDS IP, P. 11

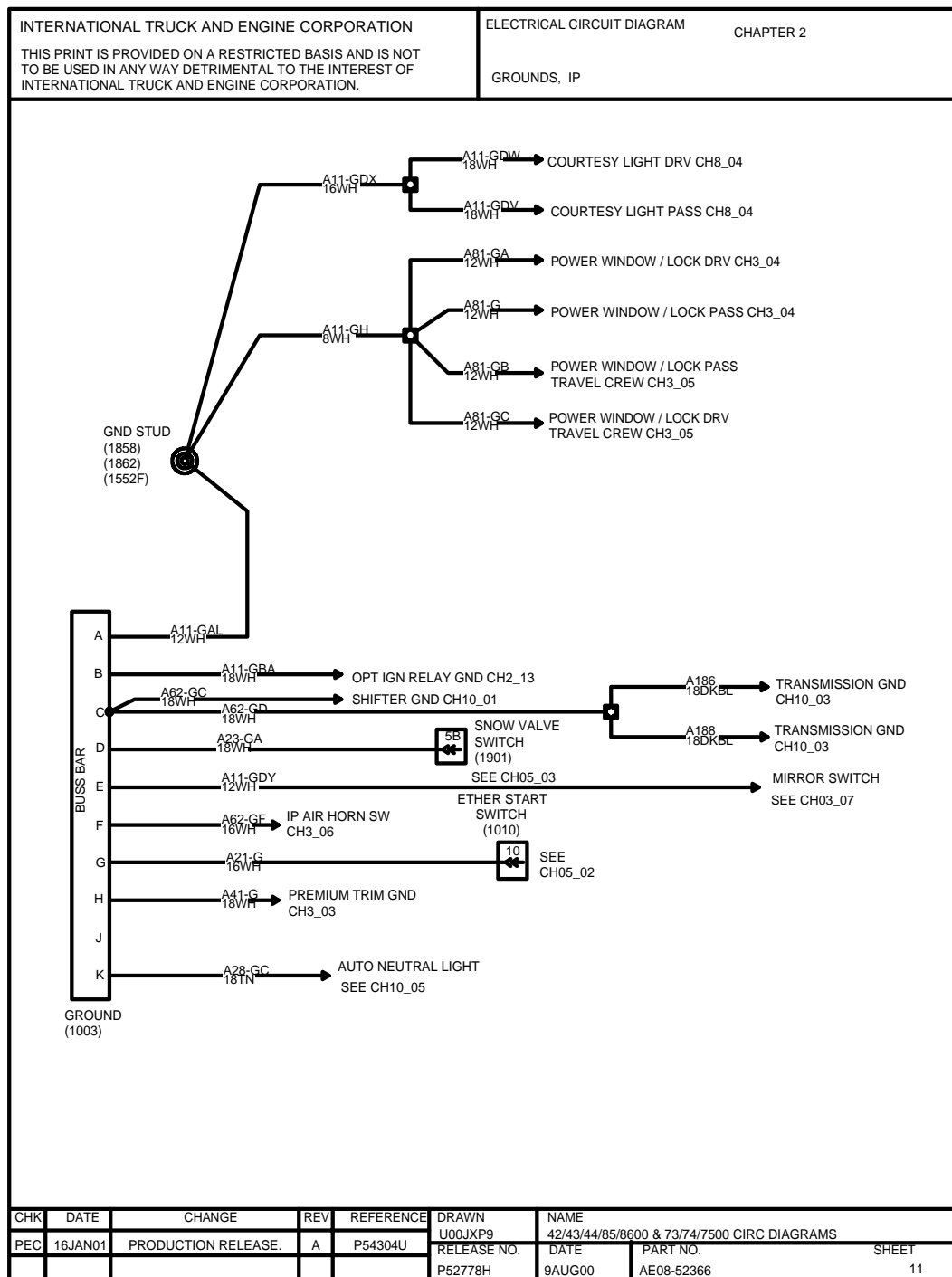


Figure 23 Grounds IP

2.12. IGNITION CAB, P. 12

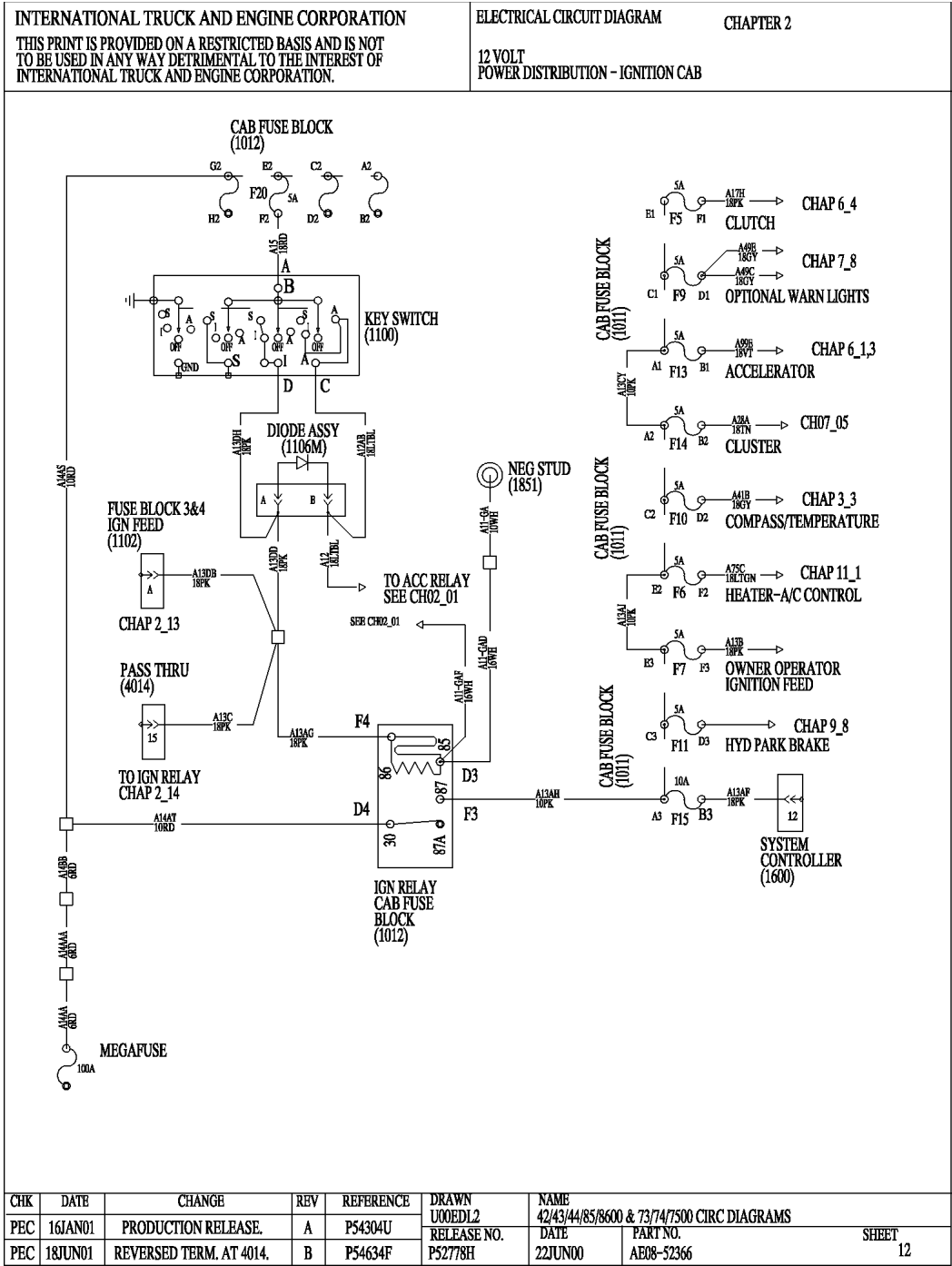


Figure 24 Ignition Cab

INTERNATIONAL TRUCK AND ENGINE CORPORATION

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUI T DIAGRAM

CHAPTER 2

12 VOLT POWER DISTRIBUTION - IGNITION CAB (CONT)

FUSE BLOCK 3&4
IGN FEED (1102)

CH2_12

BATT FEED CH2_02

CAB FUSE BLOCK IGNITION (1013)

CAB FUSE BLOCK (1013)

CAB FUSE BLOCK (1014)

CAB FUSE BLOCK (1013)

SEE CH02_11

SEE CH03_13

ETHER START SEE CH05_02

SNOW VALVE SWITCH CONNECTOR SEE CH05_03

2 WAY RADIO SEE CH03_10

SATELLITE COMMUNICATION QUAL COMM-IMCT SYSTEM SEE CH03_15

LIFT AXLES SEE CH09_20 SEE CH09_21

EATON AUTOSHIFT RELAY SEE CH10_07

AUTOSHIFT DISPLAY/SELECTOR SEE CH10_07

LCT SHIFTER CH10_01

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00IXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
PEC	18JUN01	ADDED LIFT AXLES.	B	P54634F	RELEASE NO. P52778H	DATE 09AUG00 PART NO. AE08-52366

SHEET

13

Figure 25 Ignition Cab (Cont.)

2.14. IGNITION FEEDS, CHASSIS, P. 14

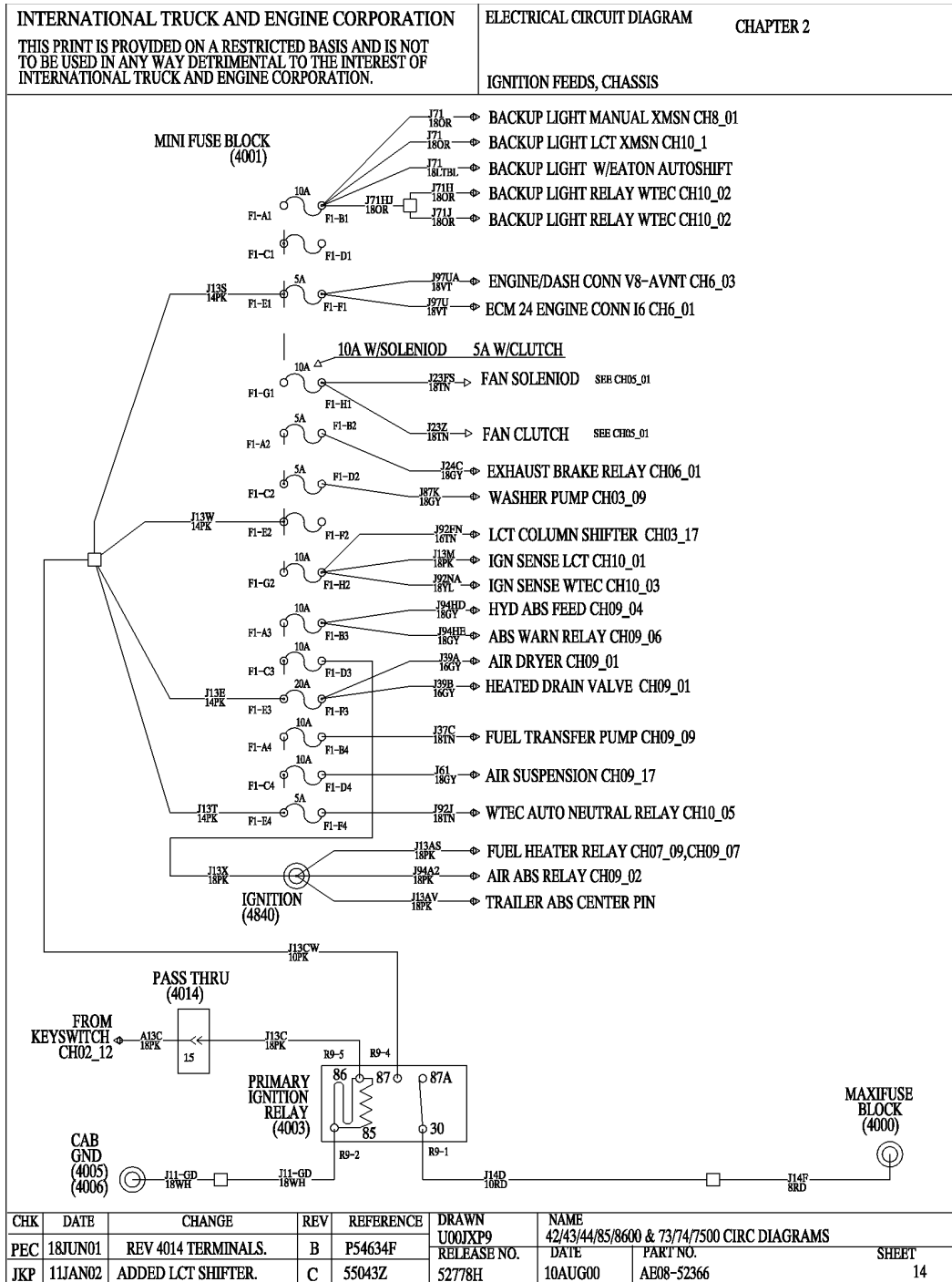


Figure 26 Ignition Feeds, Chassis

2.15. START, P. 15

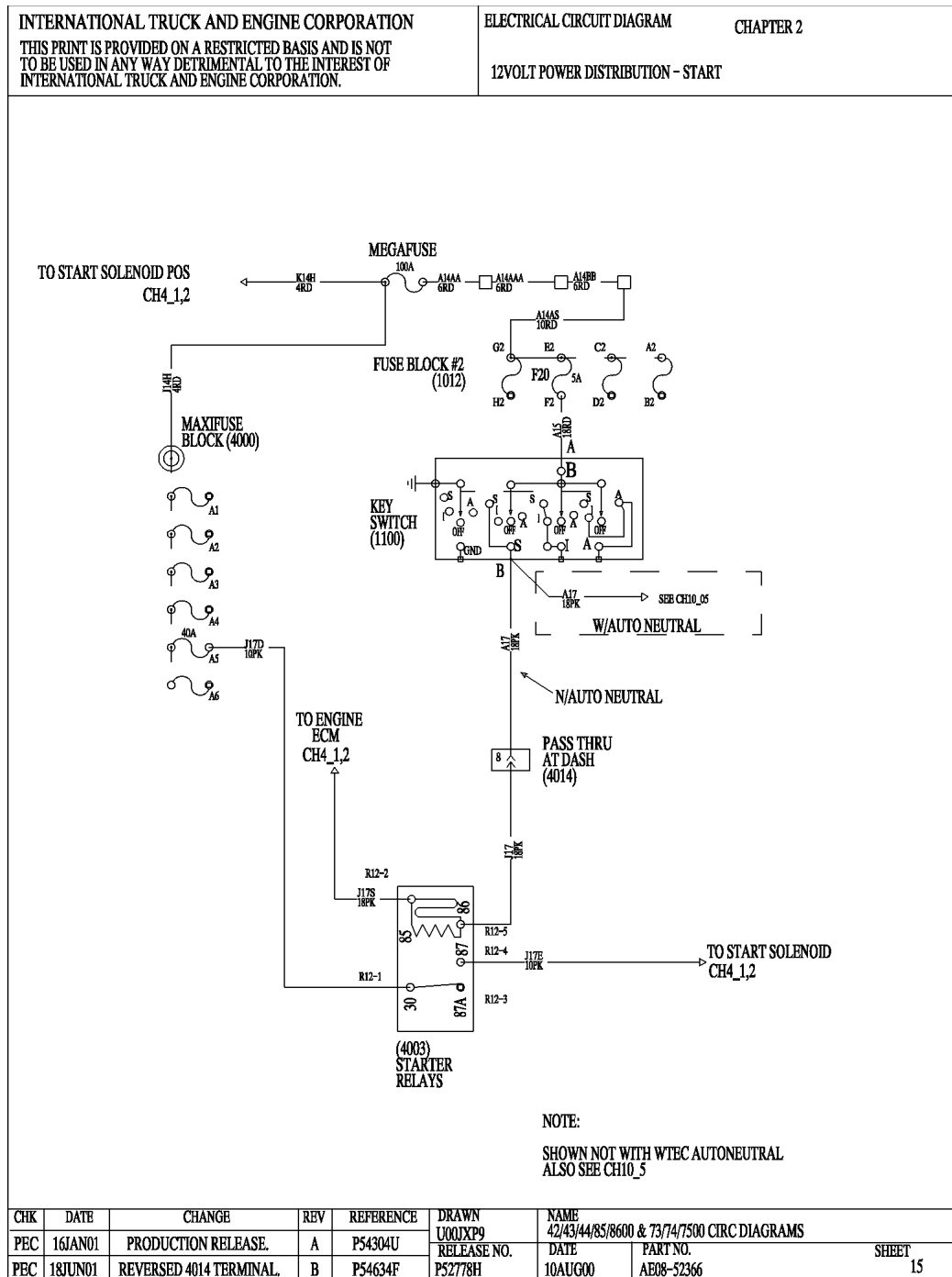


Figure 27 Start

3. CAB ACCESSORIES (CHAPTER 3)

3.1. CIGAR LIGHTER AND POWER FEEDS, P. 1

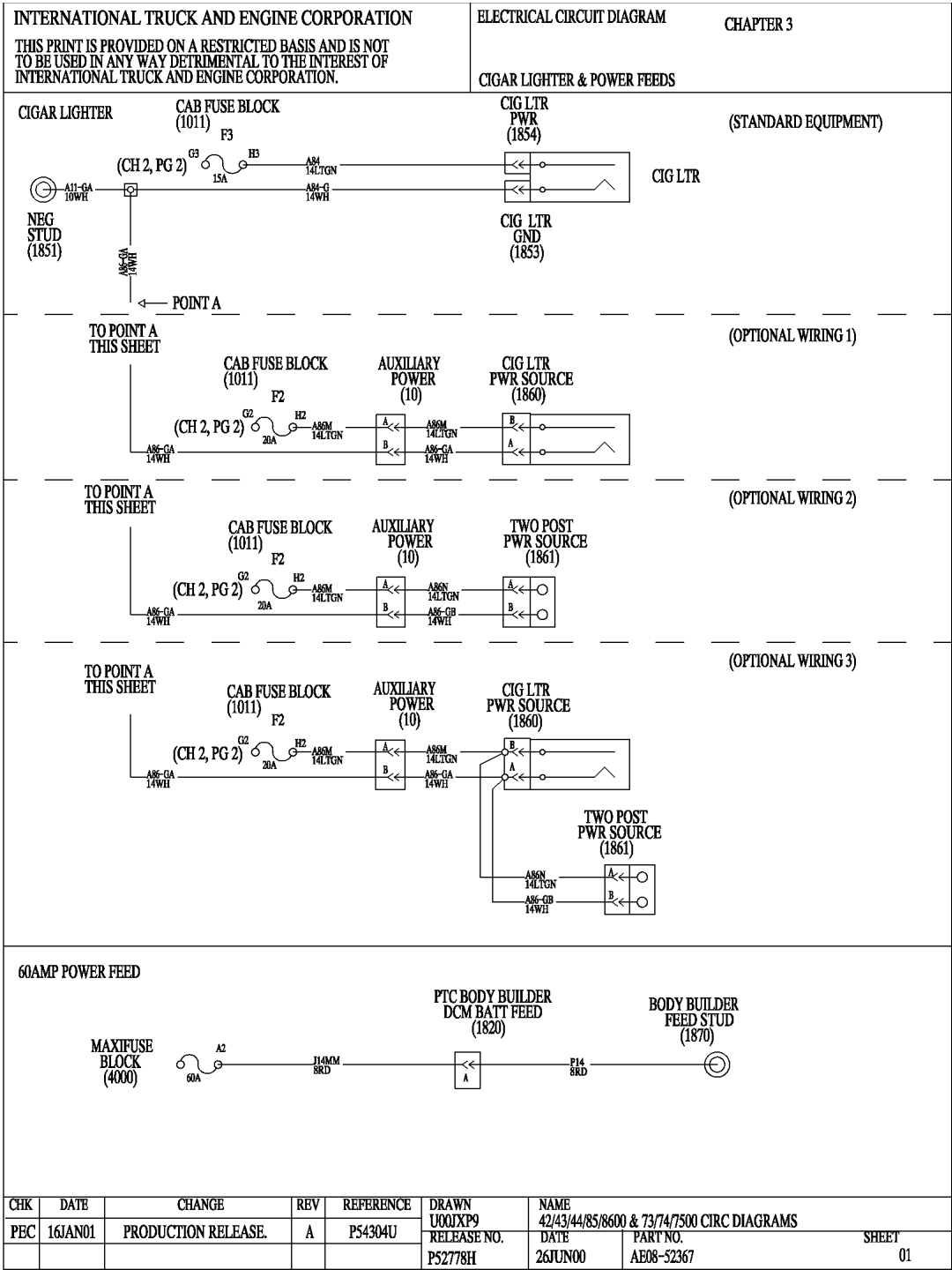


Figure 28 Cigar Lighter and Power Feeds

3.2. CB POWER, P. 2

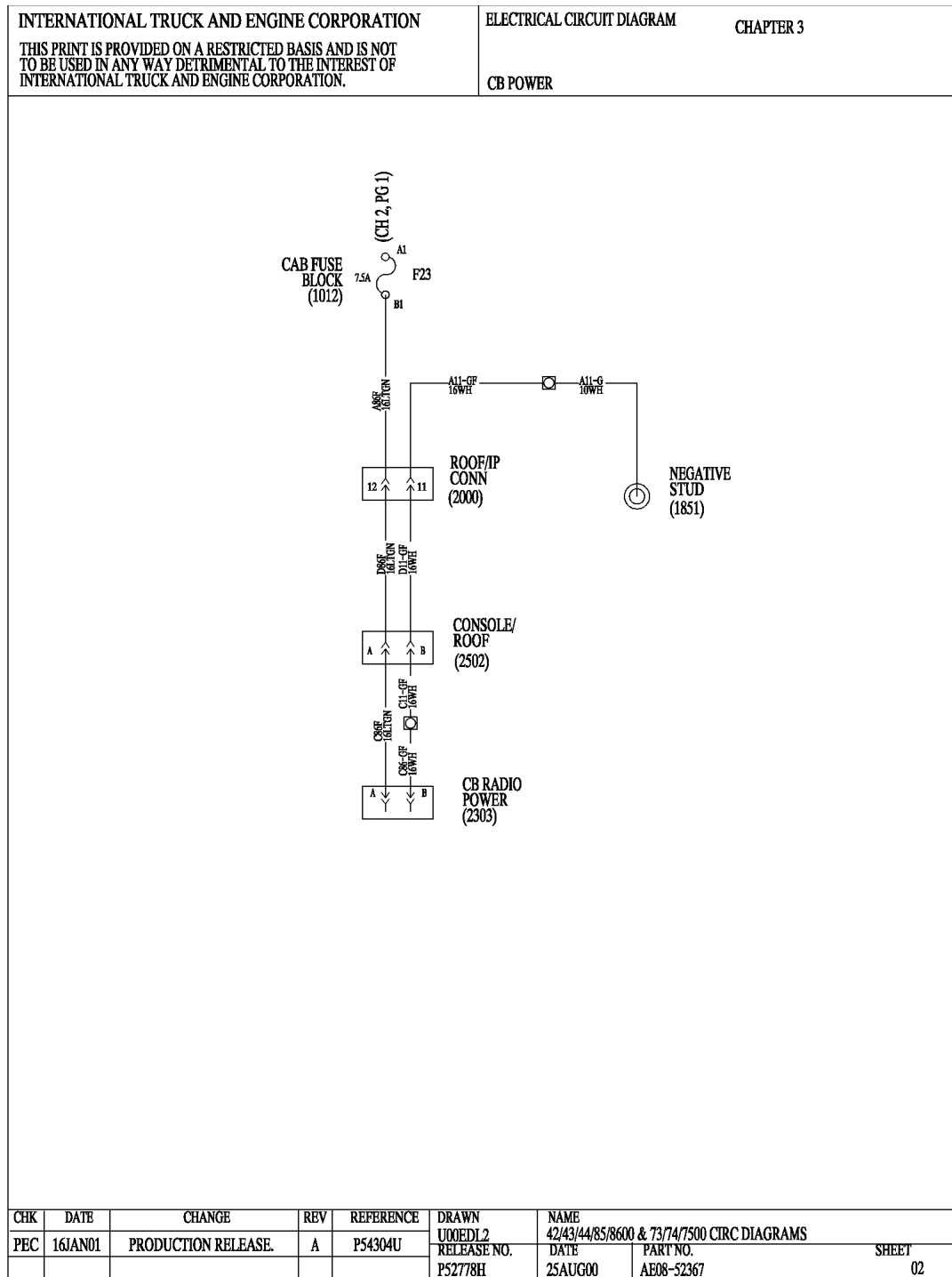


Figure 29 CB Power

3.3. COMPASS AND TEMPERATURE DISPLAY, P. 3

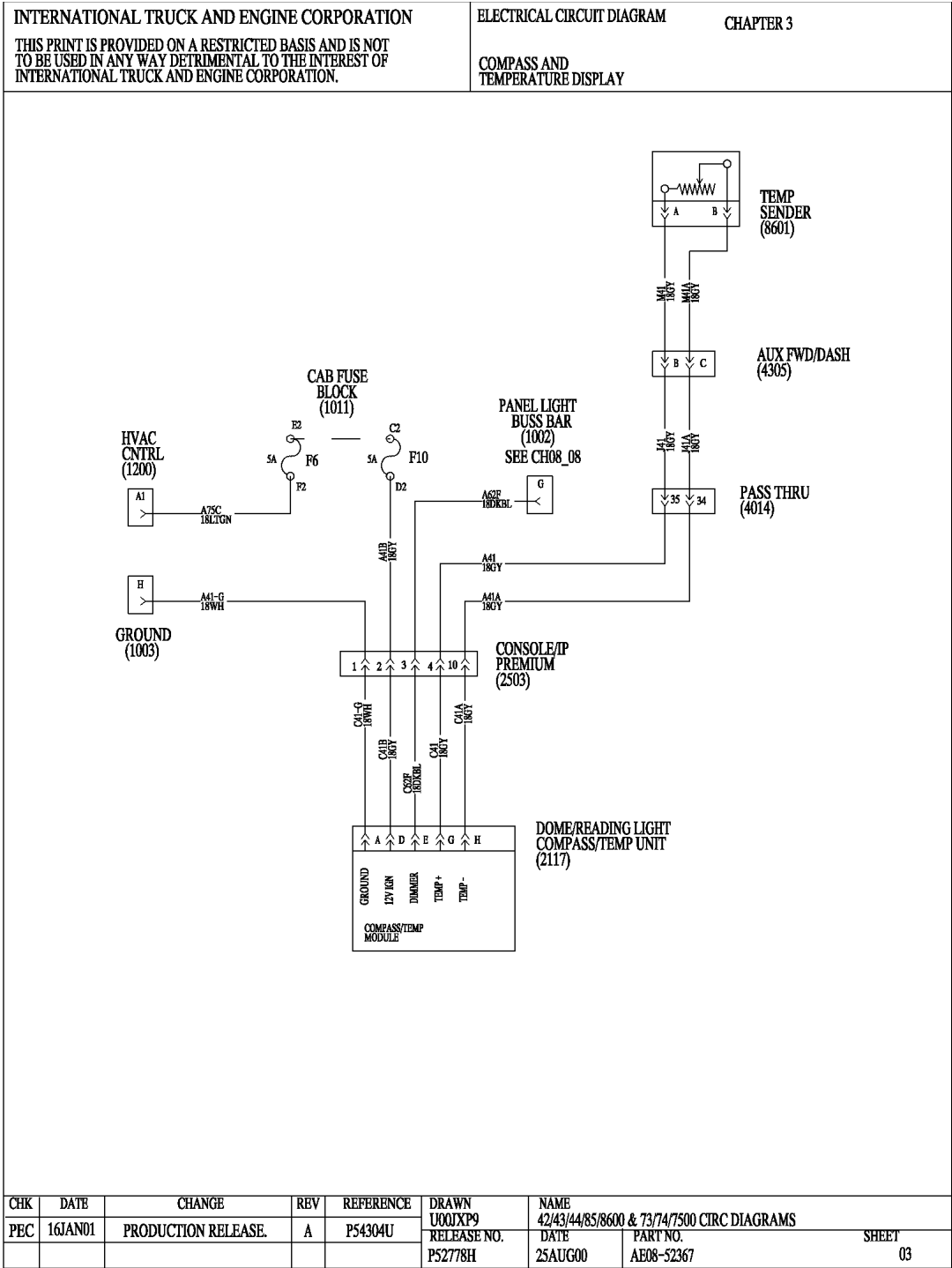


Figure 30 Compass and Temperature Display

INTERNATIONAL TRUCK AND ENGINE CORPORATION

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 3

FRONT DOORS
WINDOWS AND LOCKS (POWER)

NEGATIVE STUD (1858)

SEE CH03_05

SYSTEM CONTROLLER (1600)

DOOR POD SIGNAL (3202)

DOOR/IP (3200)

DOOR/IP (3204)

DOOR POD SIGNAL (3202)

DOOR POD LOAD (3201)

DOOR POD LOAD (3201)

NOTE:
THE DOTTED LINES
ARE AN OPTION FOR TRAVEL
CREW DOOR PODS

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00UXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					P52778H	25AUG00
						PART NO.
						AE08-S2367

SHEET 04

Figure 31 Front Doors Windows and Locks (Power)

3.5. CREW DOORS WINDOWS AND LOCKS (POWER), P. 5

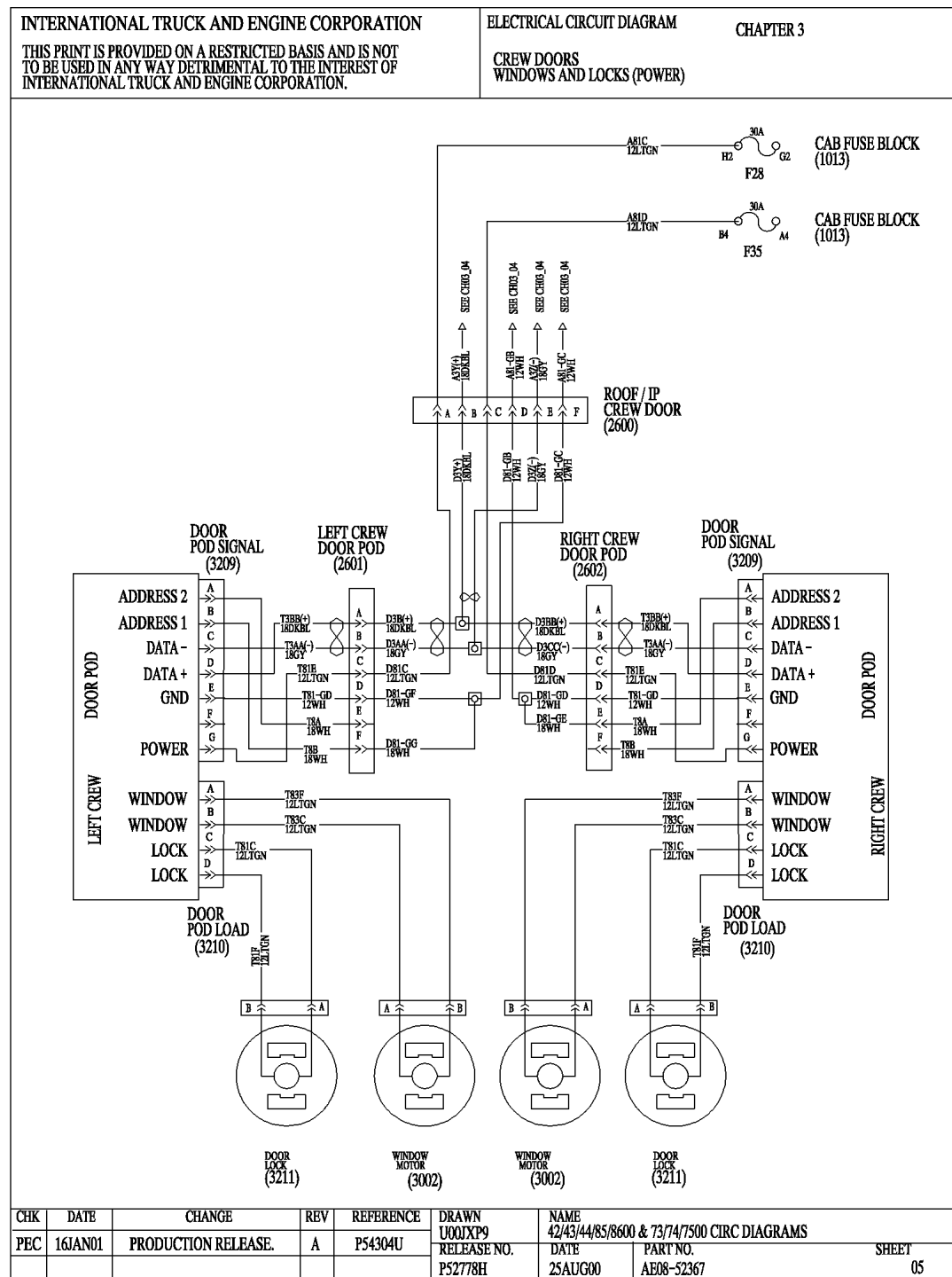


Figure 32 Crew Doors Windows and Locks (Power)

INTERNATIONAL TRUCK AND ENGINE CORPORATION

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 3

HORN, DUAL ELECTRIC

RIGHT SIDE ELECT HORN (8312)

LEFT SIDE ELECT HORN (8311)

W/INSTRUMENT PANEL HORN SWITCH (1018)

FWD CHASSIS/DASH (4301)

GROUND ADAPTER #1 (8800)

GROUND ADAPTER #2 (8801)

SYSTEM CONTROLLER BROWN FRONT (4007)

GROUND ADAPTER (1003)

GROUND (4006) GND 2

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00ED1.2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					P52778H	19JUN00
						PART NO.
						AE08-52367
						SHEET
						06

S082852

[illegible]

Figure 34 Mirrors (Heated, Lighted and Power)

3.8. RADIO (ENTERTAINMENT), SPEAKERS, P. 8

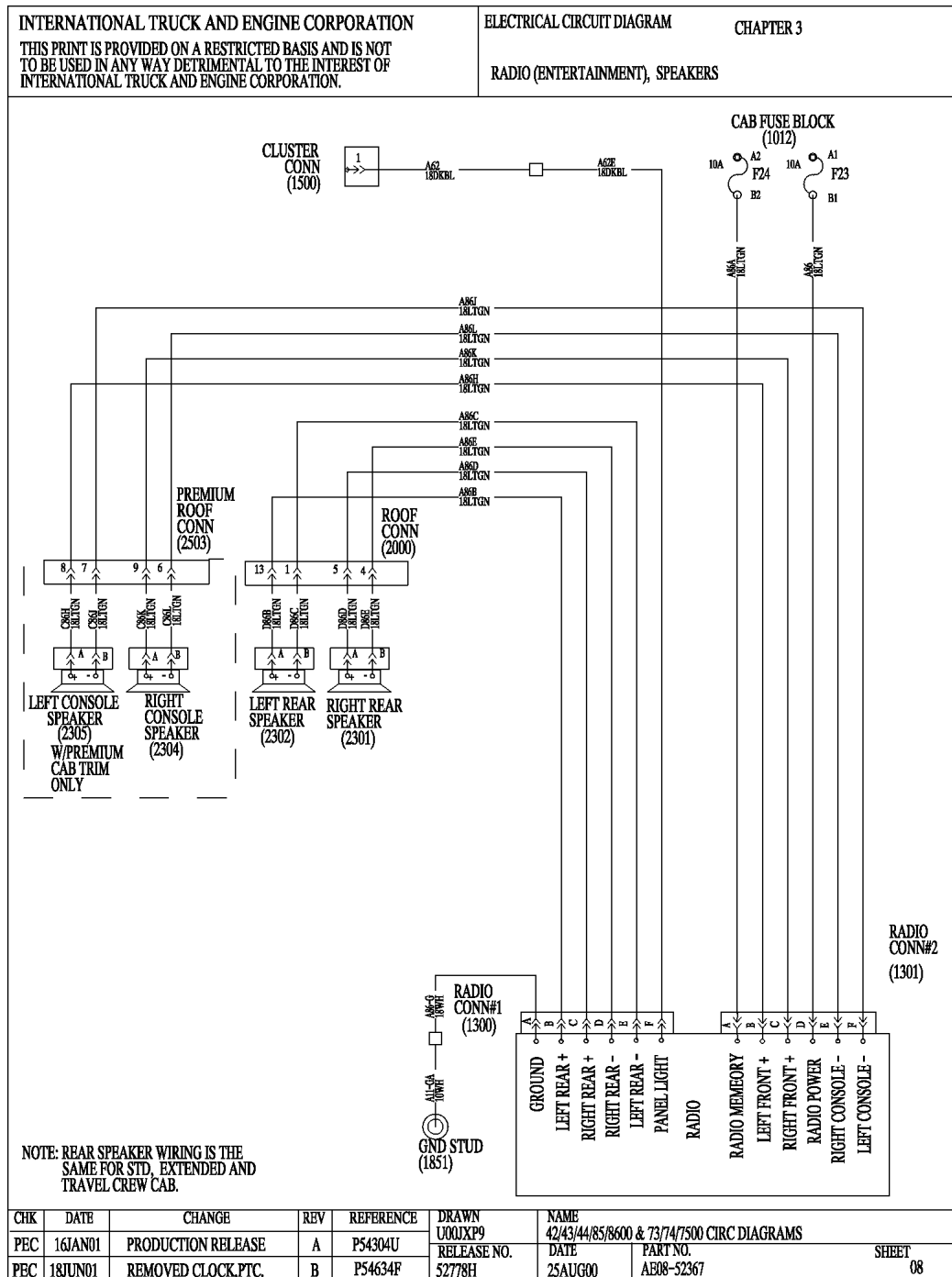


Figure 35 Radio (Entertainment), Speakers

3.9. WINDSHIELD WIPER AND WASHER PUMP, P. 9

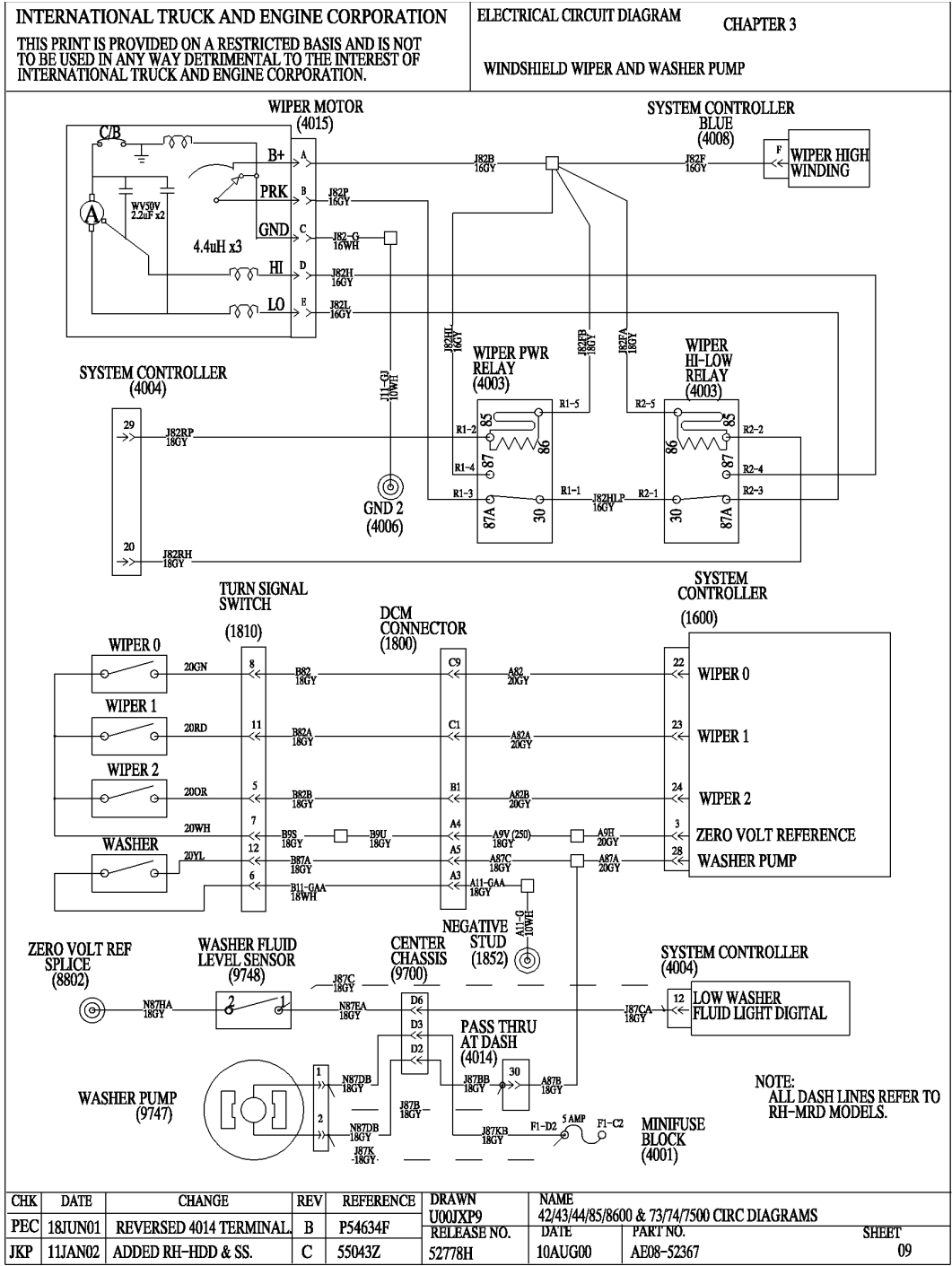


Figure 36 Windshield Wiper and Washer Pump

3.10. 2-WAY RADIO, P. 10

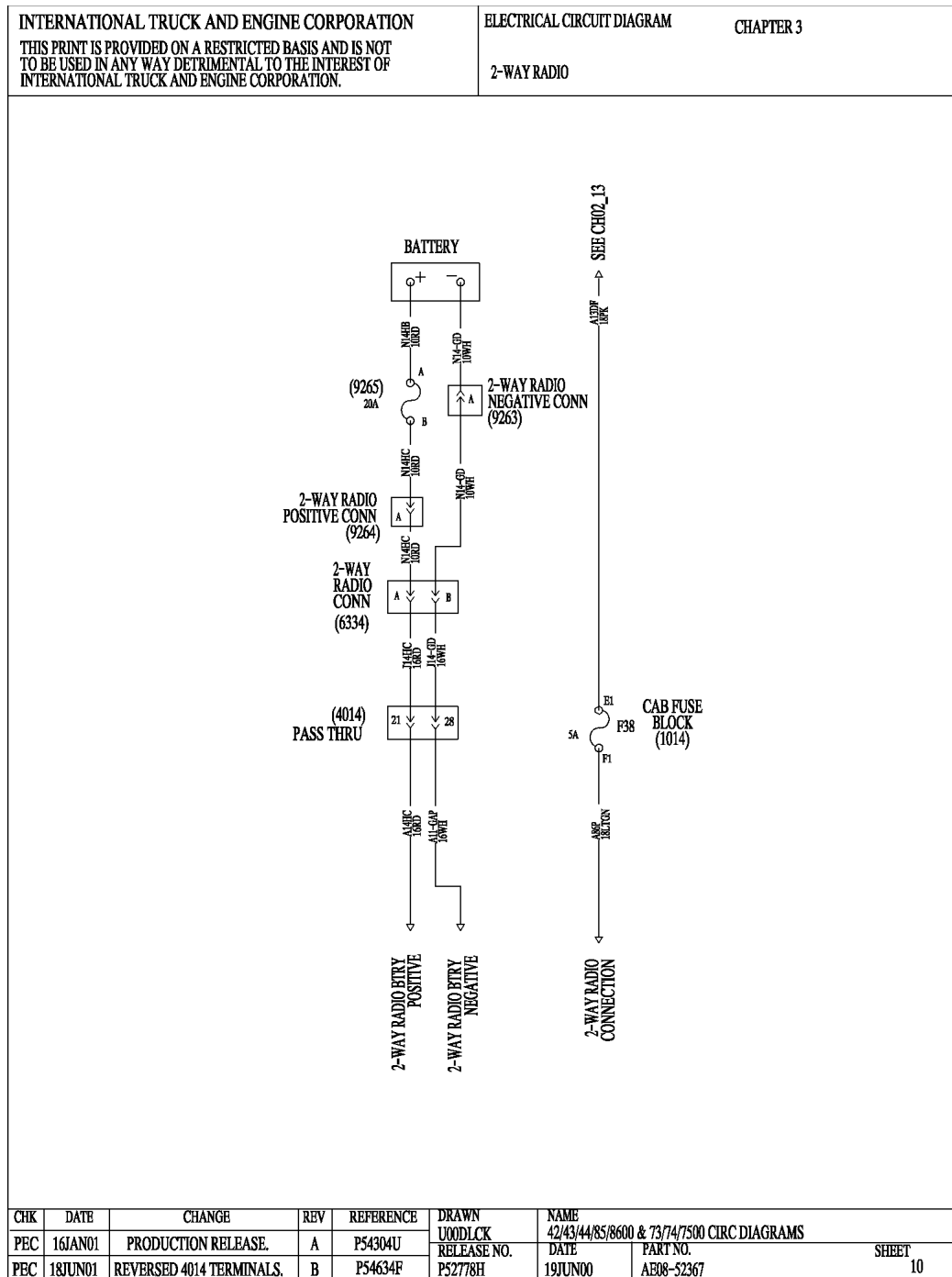


Figure 37 2-Way Radio

3.11. SWITCH PACK, OPTIONAL GAUGE PACK, P. 11

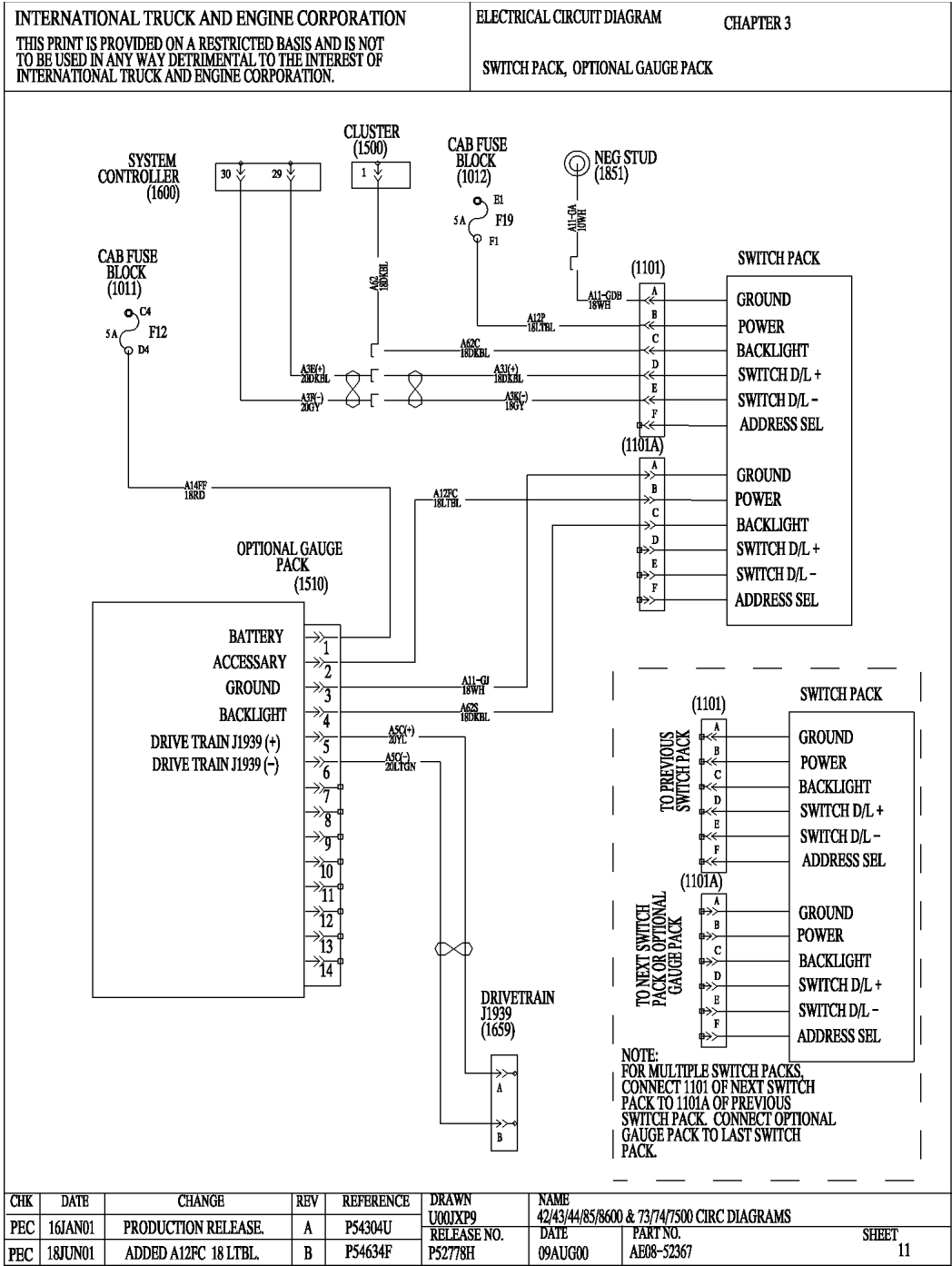


Figure 38 Switch Pack, Optional Gauge Pack

INTERNATIONAL TRUCK AND ENGINE CORPORATION

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 3

LIGHTED AIR SHIELD

CONTROL = (HEADLIGHTS AND /OR PARK LIGHTS) & ACC

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	18JUN01	MULTIPLE CHANGES	A	P54634F	WOODLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					P54304U	16JAN01
						PART NO.
						AE08-52367
						SHEET
						12

Figure 39 **Lighted Air Shield**

3.13. ROOF AUX. LOAD, P. 13

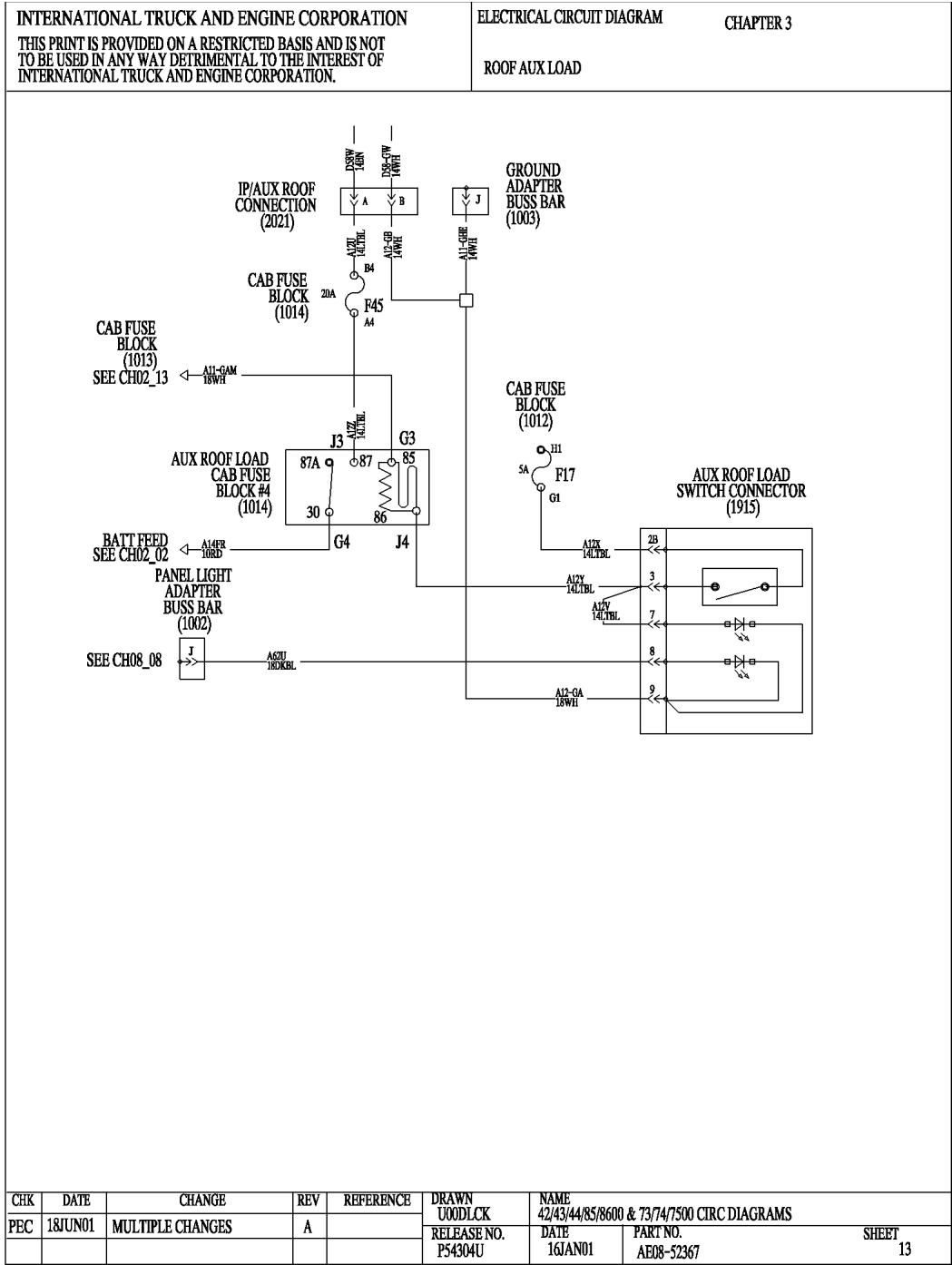


Figure 40 Roof Aux. Load

[illegible]

Figure 41 Satellite Communication Qualcomm-MCT and IMCT Systems

3.15. SELF CONTAINED AIR SEAT, P. 15

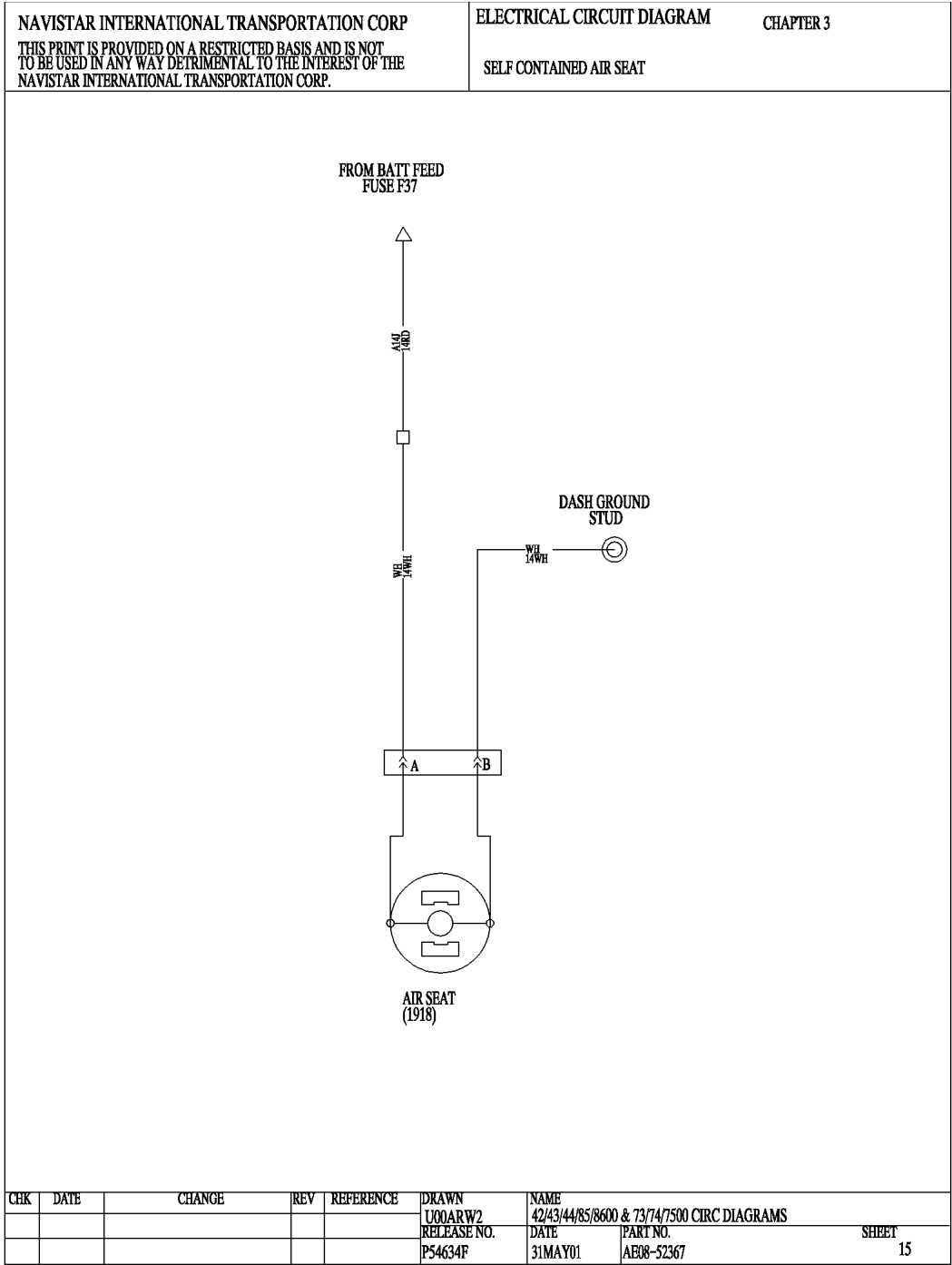


Figure 42 Self Contained Air Seat

3.16. DIGITAL CLOCK PTC, P. 16

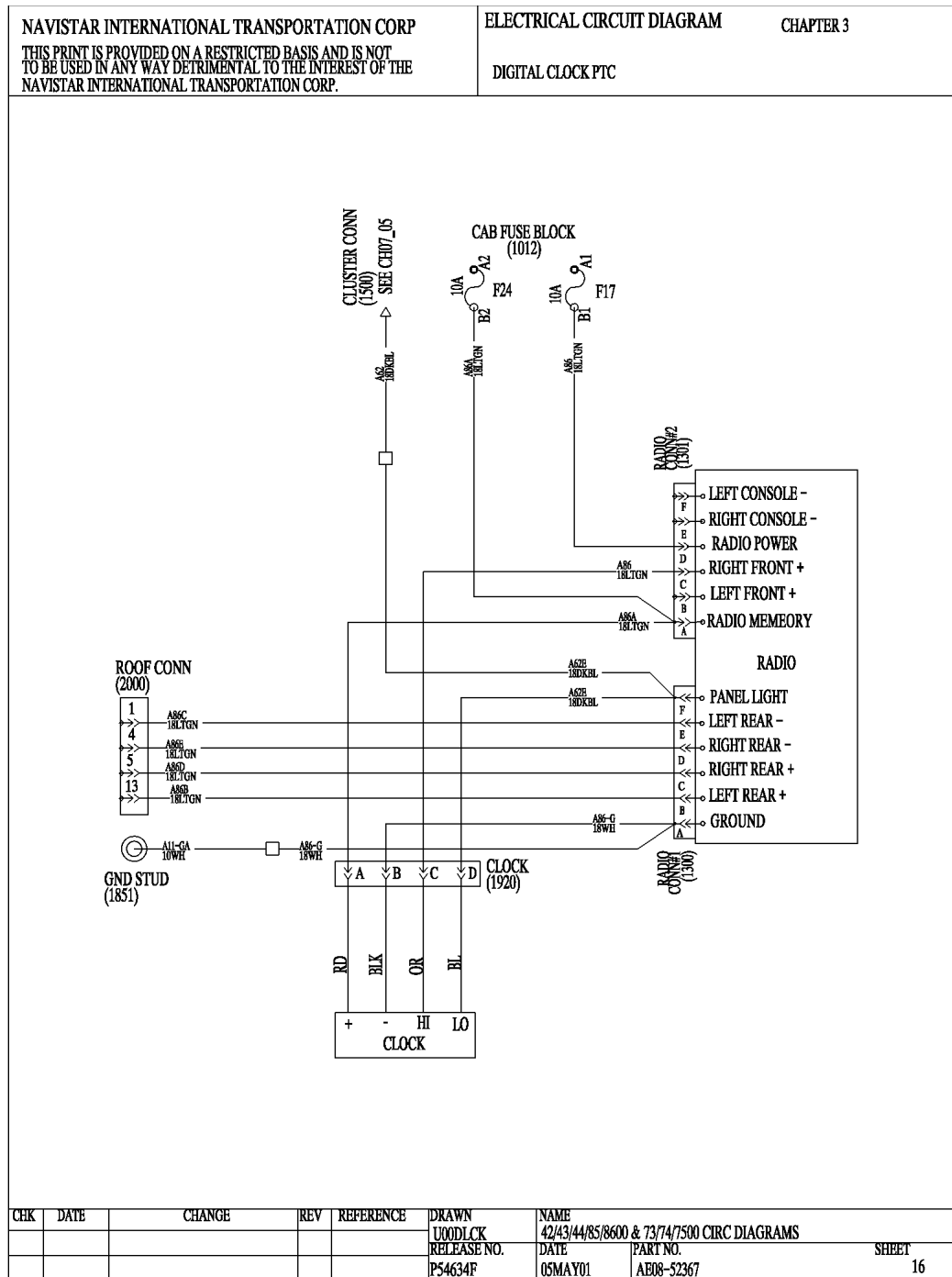


Figure 43 Digital Clock PTC

3.17. TRANSMISSION ALLISON LCT COLUMN SHIFTER, P. 17

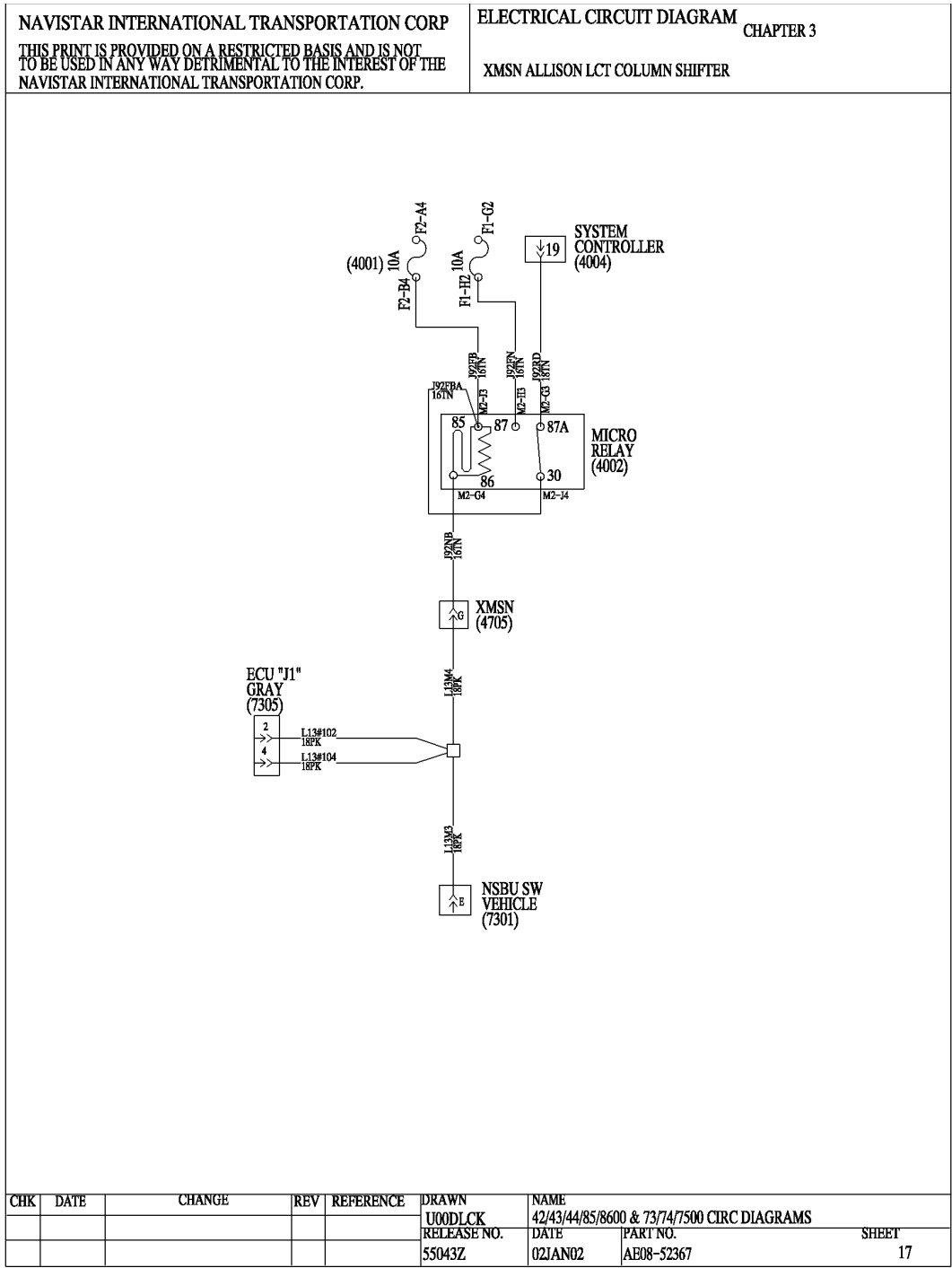


Figure 44 Transmission Allison LCT Column Shifter

4. 12V CHARGING + CRANKING SYSTEM (CHAPTER 4)

4.1. I6 HEUI ENGINES, P. 1

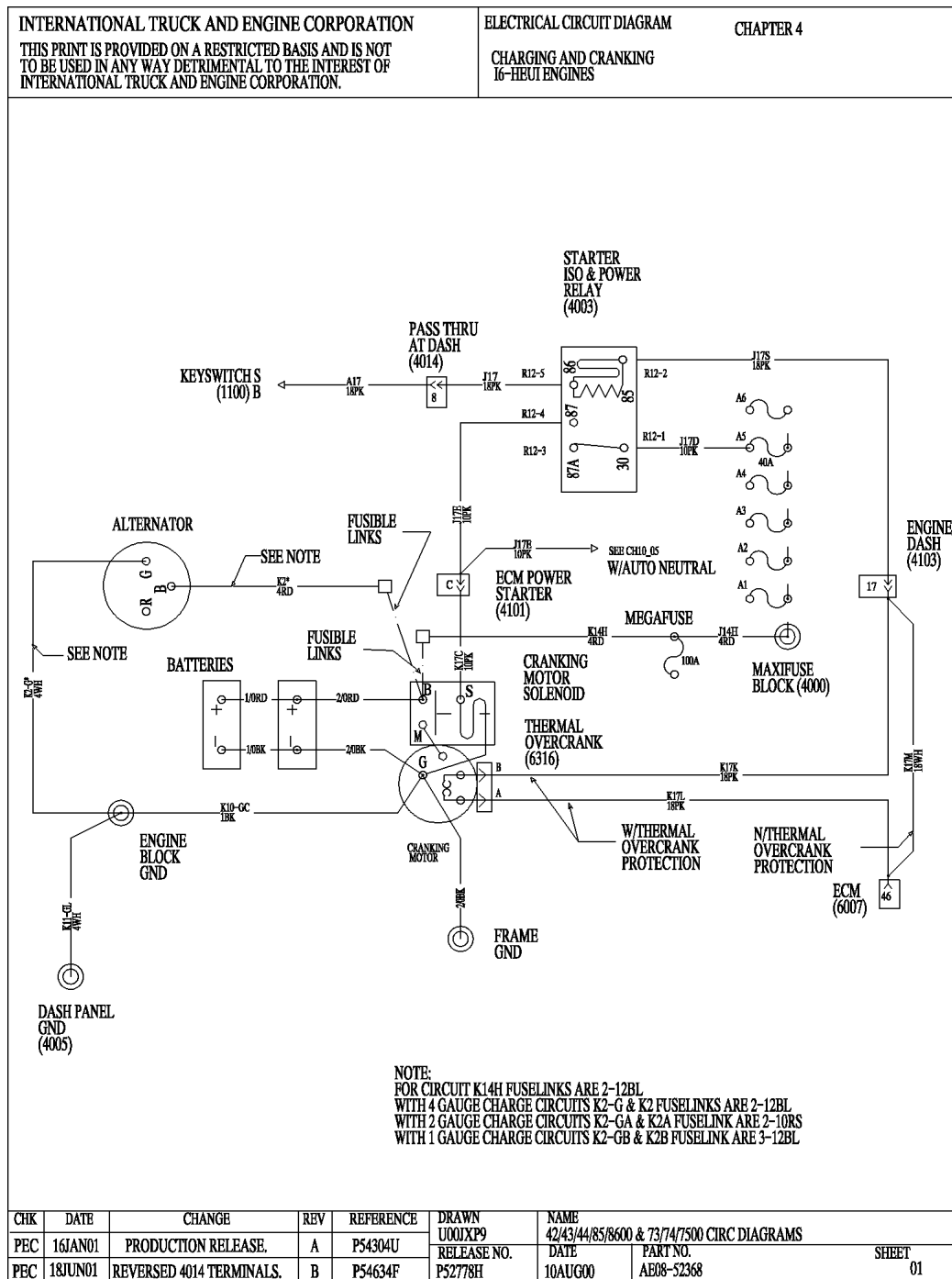


Figure 45 I6 HEUI Engines

4.2. V8 AVNT ENGINES, P. 2

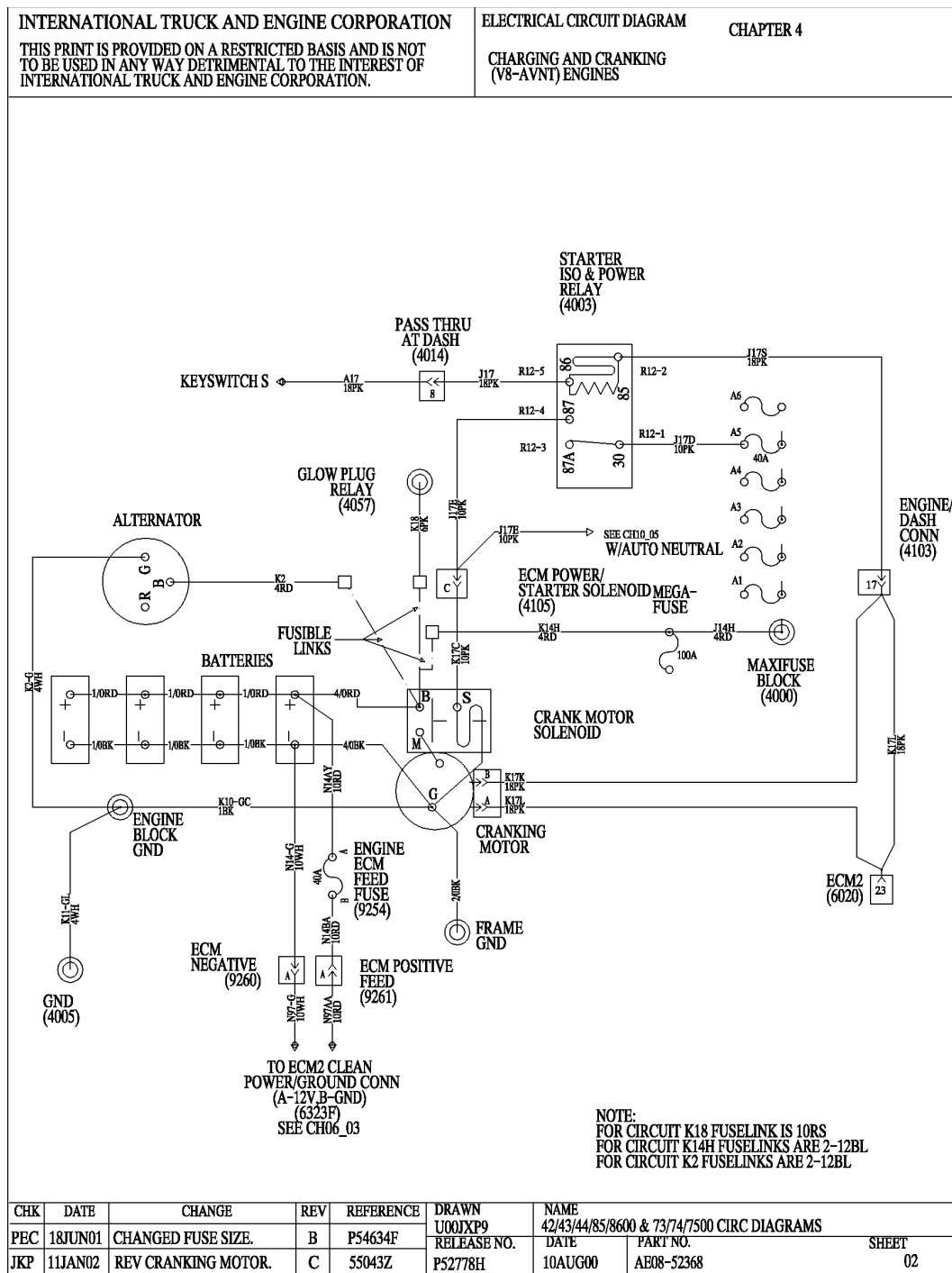


Figure 46 V8 AVNT Engines

4.3. CATERPILLAR ENGINES, P. 3

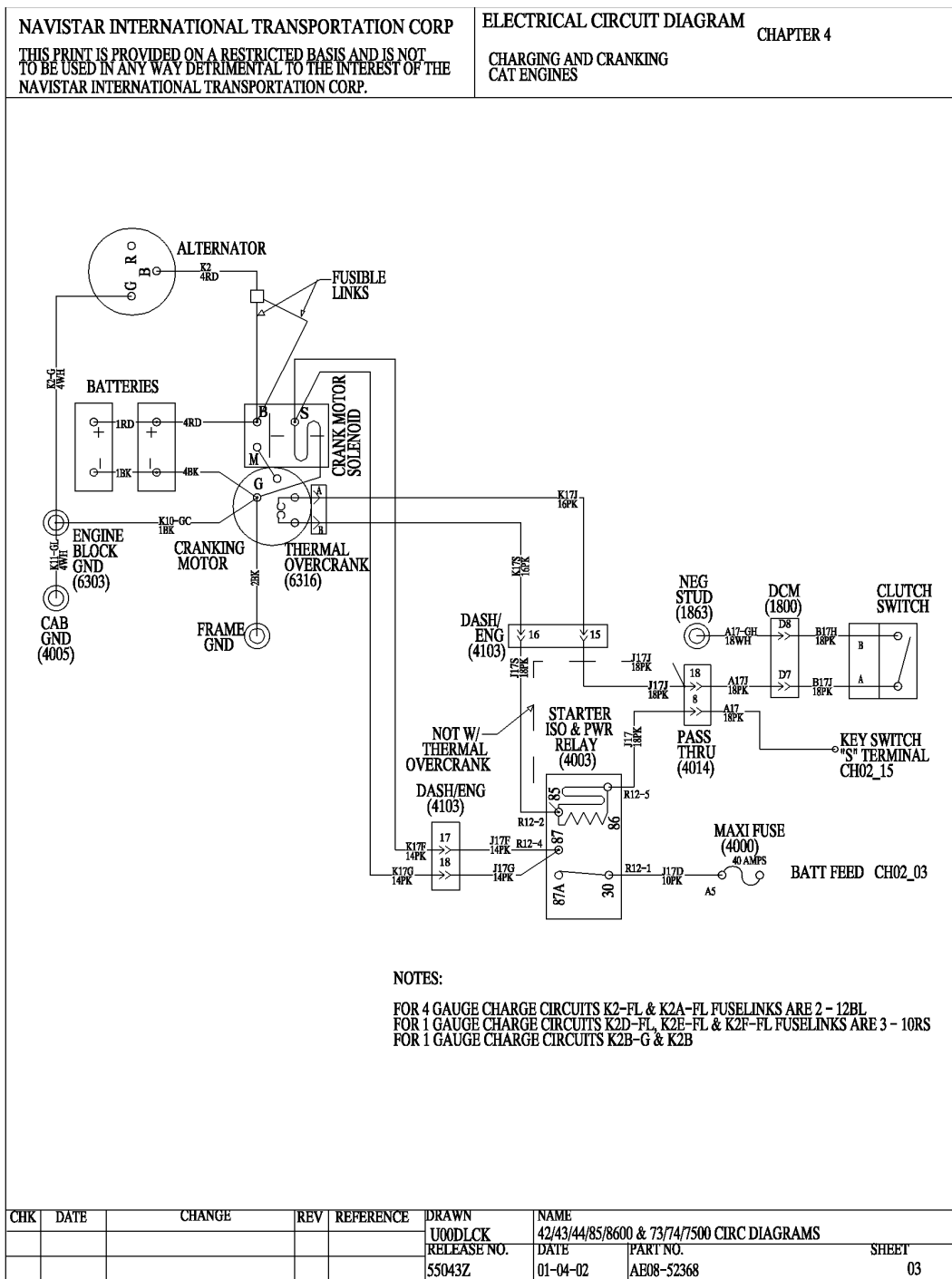


Figure 47 Caterpillar Engines

5. FANS AND ENGINE ACCESSORIES (CHAPTER 5)

5.1. FAN WIRING, P. 1

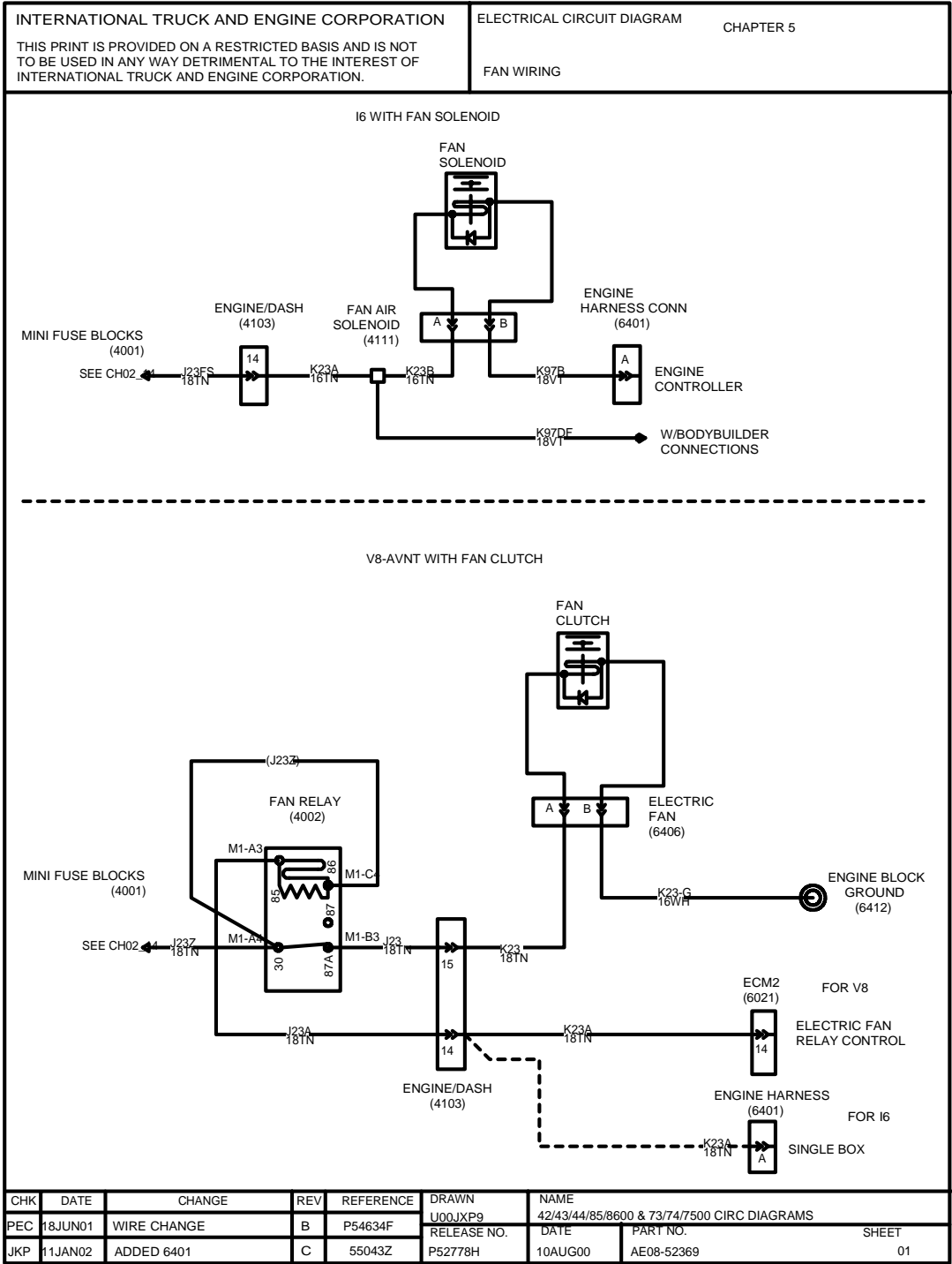


Figure 48 Fan Wiring

5.2. ETHER START, P. 2

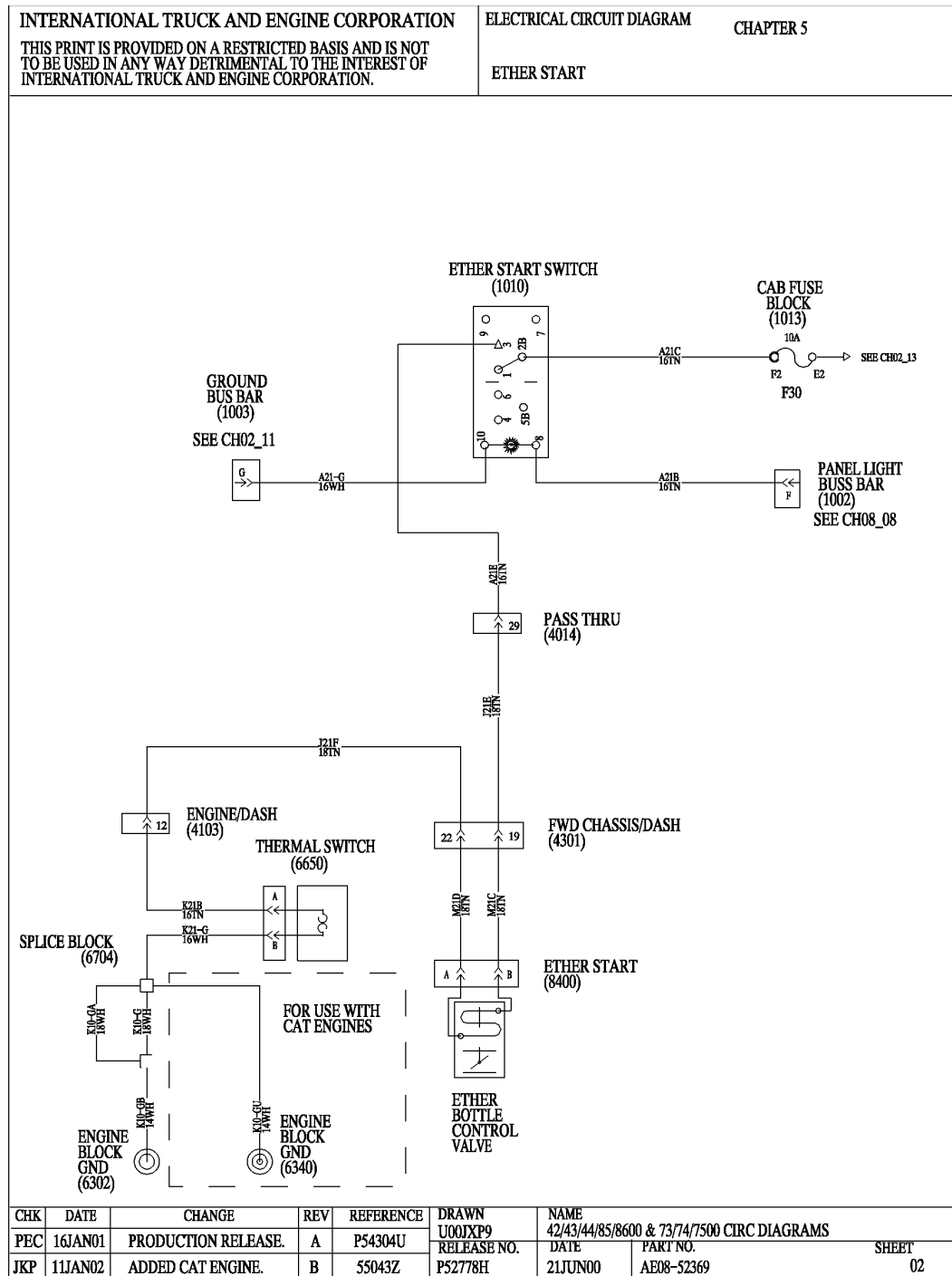


Figure 49 Ether Start

5.3. SNOW VALVE, P. 3

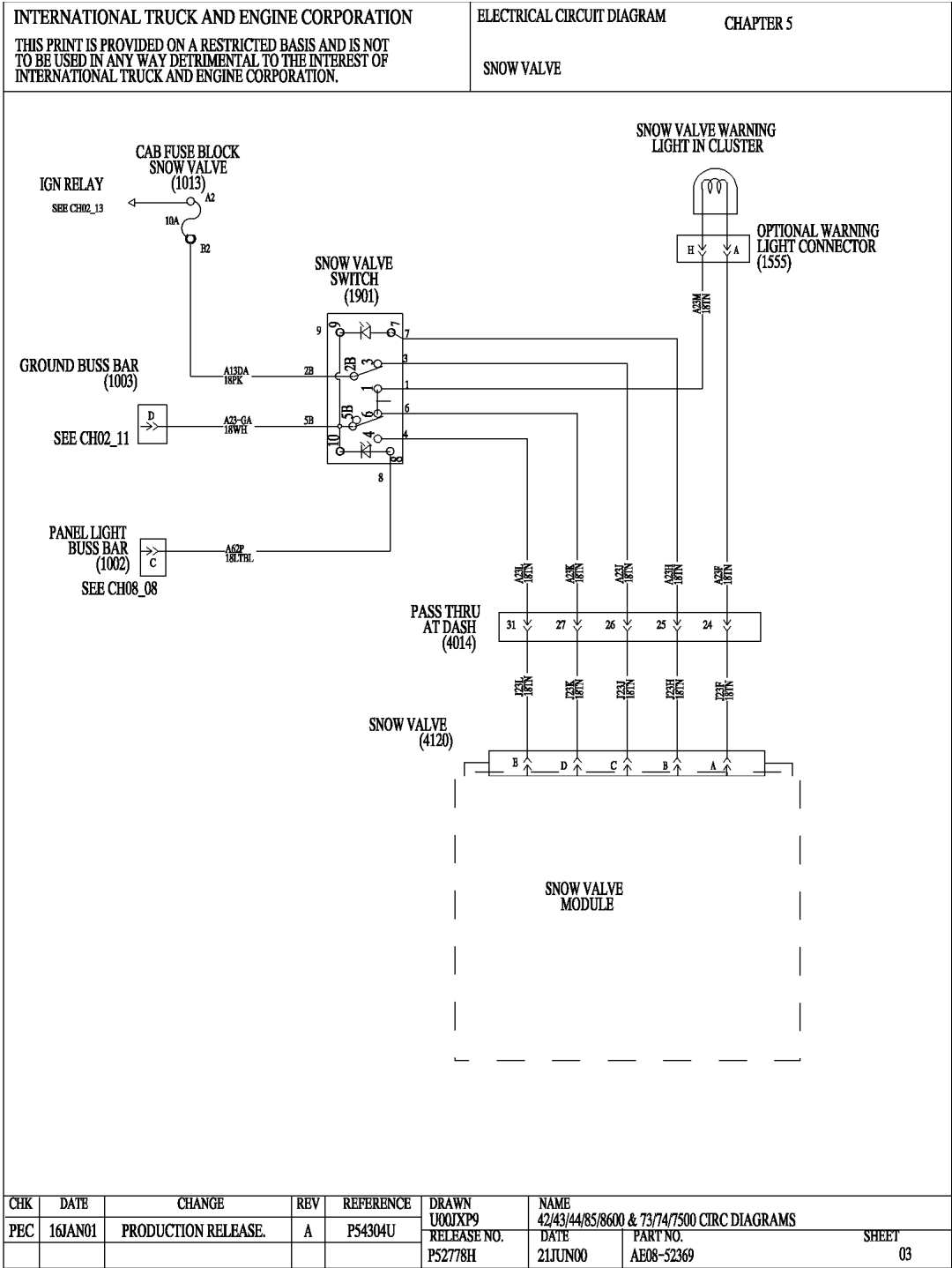


Figure 50 Snow Valve

6. ELECTRONIC ENGINES (CHAPTER 6)

6.1. ELECTRONIC ENGINE CONTROLS, I6–HEUI ENGINES, P. 1

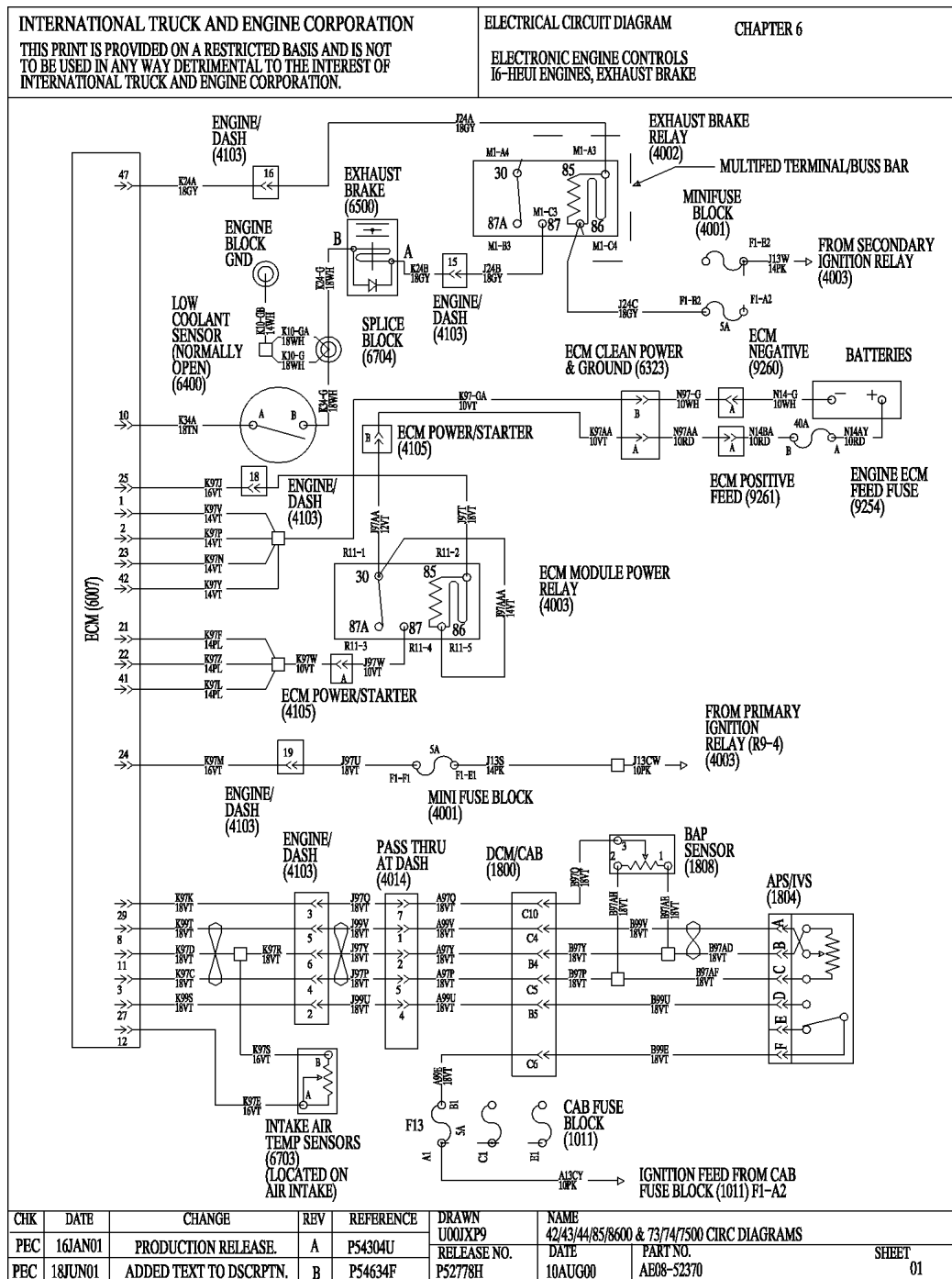


Figure 51 Electronic Engine Controls, I6–HEUI Engines

6.2. ELECTRONIC ENGINE CONTROLS, I6–HEUI ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 2

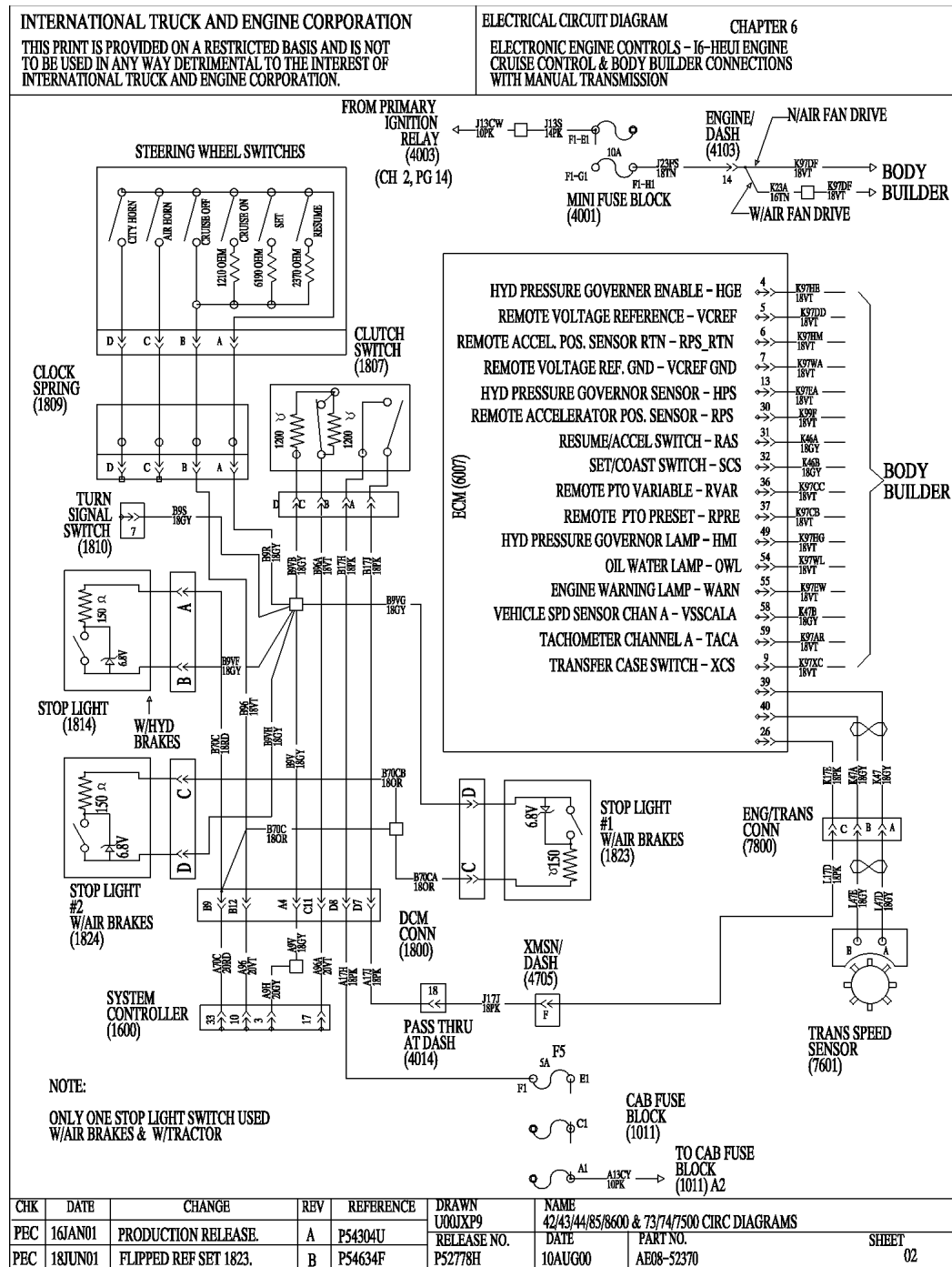


Figure 52 Electronic Engine Controls, I6–HEUI Engine Cruise Control and Body Builder Connections

6.3. ELECTRONIC ENGINE CONTROLS, (V8-AVNT) ENGINES, P. 3

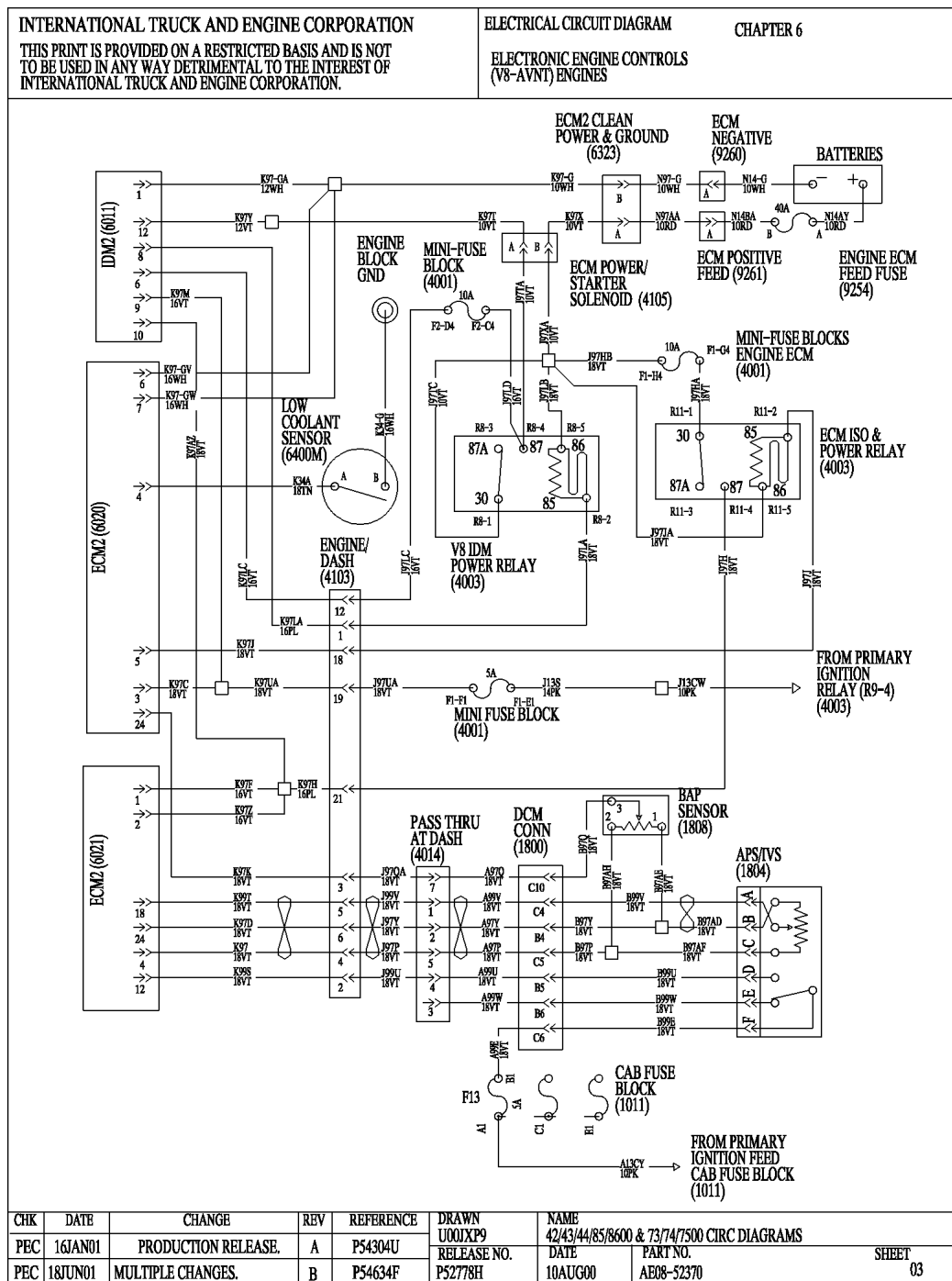


Figure 53 Electronic Engine Controls, (V8-AVNT) Engines

6.4. ELECTRONIC ENGINE CONTROLS, V8-AVNT ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 4

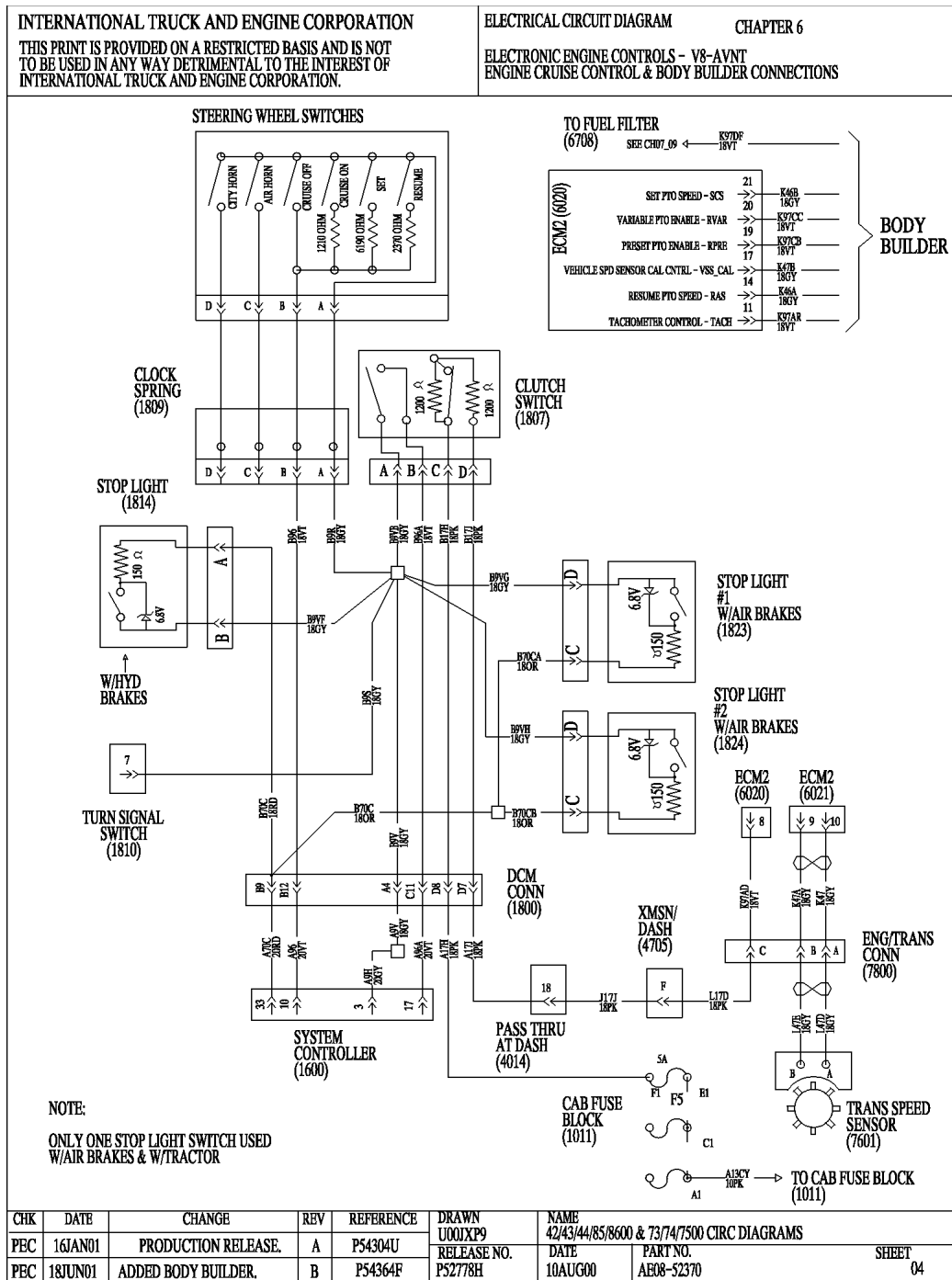


Figure 54 Electronic Engine Controls, V8-AVNT Engine Cruise Control and Body Builder Connections

6.5. CATERPILLAR C10 AND C12 ENGINES, P. 5

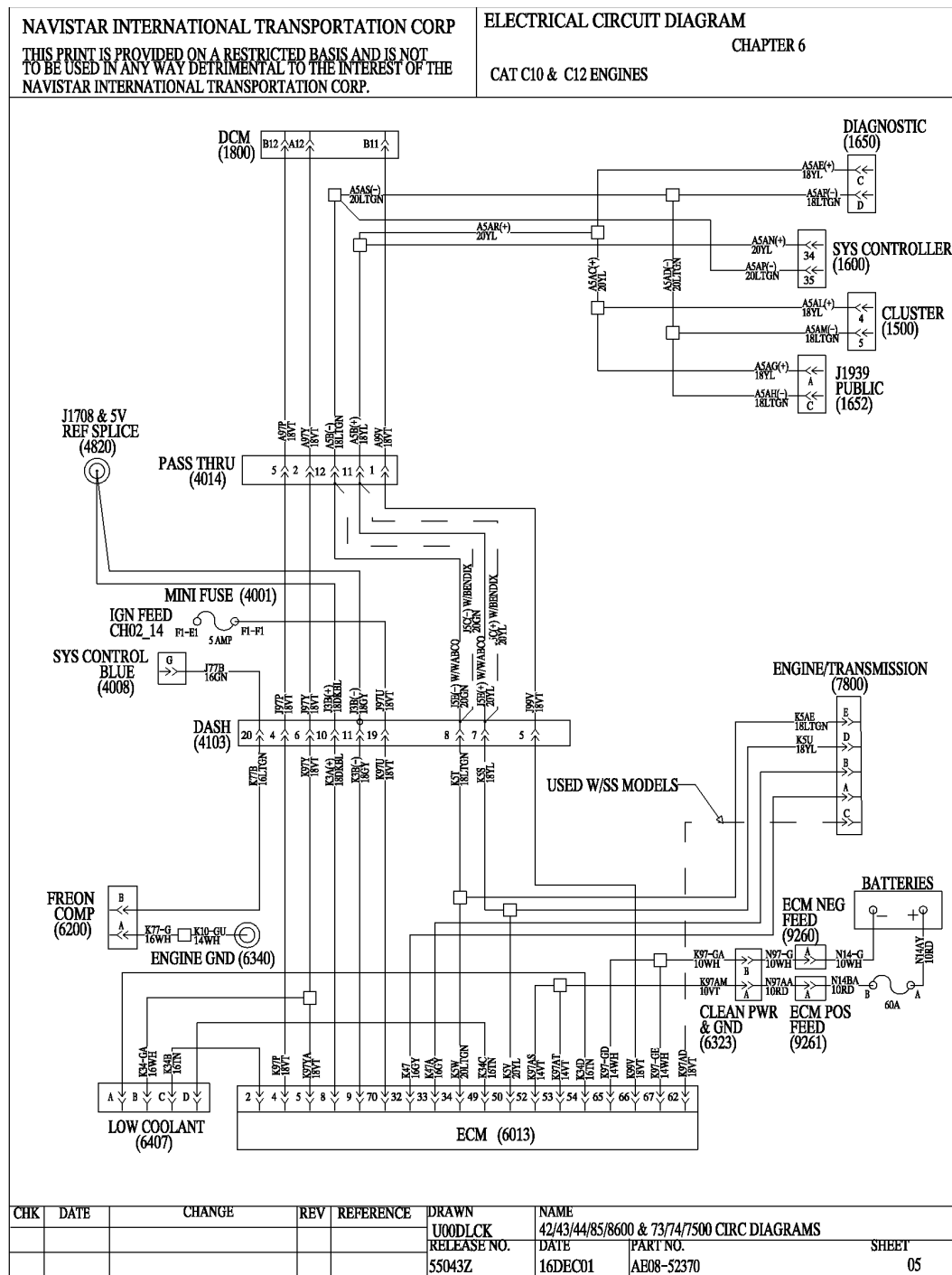


Figure 55 Caterpillar C10 and C12 Engines

7.1. IP/GAUGE LIST, P. 1

Figure 56 IP/Gauge List

7.2. WARNING LIGHT LIST, P. 2



INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 7	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				WARNING LIGHTS LIST			
IP WARNING LIGHTS							
WARNING LIGHT TITLE		SIGNAL PATH				SENSOR LOCATION	
RANGE INHIBITED		TRANS CTRLR/DRIVE TRAIN J1939/CLUSTER					
FUEL FILTER		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER				FUEL FILTER	
ENGINE (YELLOW LED)		ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER					
ENGINE (RED LED)		ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER					
BRAKE PRESSURE ()		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER				SWITCH	
BRAKE FLUID		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER				BRK RESEVOIR	
TRAC CTRL		TRUCK ABS CTRLR/DRIVE TRAIN J1939/CLUSTER					
CHECK TRANS		TRANS CTRLR/DRIVE TRAIN J1939/CLUSTER					
TRAILER ABS		TRLR ABS CTRLR/DRIVE TRAIN J1939/CLUSTER					
WASHER FLUID		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER				WASHER BOTTLE	
(LEFT TURN)		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER				TURN SIG SW	
AIR BAG		DISCRETE NOT ON DATA BUS					
WATER IN FUEL		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER				FUEL FILTER	
COOLANT LEVEL		ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER				SURGE TANK	
CHECK ELECT SYS		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					
PARK ()		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER				SWITCH	
CRUISE		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					
ABS		TRUCK CTRLR/DRIVE TRAIN J1939/CLUSTER					
(RIGHT TURN)		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					
WAIT TO START		ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER					
FASTEN BELTS		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					
(HIGH BEAM IND)		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					
COLD AMB PROTEC		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					
RETARD OVERHEAT		TRANS CTRLR/DRIVE TRAIN J1939/CLUSTER				TRANSMISSION	
CHECK AC		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					
AUTO NEUTRAL		DISCRETE NOT ON DATA BUS				SWITCH	
ALTERNATOR		DISCRETE NOT ON DATA BUS					
PTO/THROTTLE		SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					
OPTIMIZED IDLE		DISCRETE NOT ON DATA BUS					
SNOW VALVE		DISCRETE NOT ON DATA BUS				SNOW VALVE	
FR AXLE DIFF LOCK		DISCRETE NOT ON DATA BUS				FWD RR AXLE	
RR AXLE DIFF LOCK		DISCRETE NOT ON DATA BUS				RR RR AXLE	
MESSAGE WAIT		DISCRETE NOT ON DATA BUS					
PTO		DISCRETE NOT ON DATA BUS					
CONVERTER TEMP		DISCRETE NOT ON DATA BUS					
TOUCHLOC RELEASE		DISCRETE NOT ON DATA BUS					
PARK FLUID		SYSTEM CTRLR/DRIVE TRAIN					
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P52778H	09AUG00	AE08-52371
						SHEET	
						02	

Figure 57 Warning Light List

7.3. WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS
CONTROLLER, P. 3

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM					CHAPTER 7									
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.										WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS CONTROLLER									
THE FOLLOWING WARNING LIGHTS ARE CONTROLLED BY THE ENGINE, TRANSMISSION, OR ABS CONTROLLER OVER THE DATA BUS AND DO NOT HAVE INDEPENDENT CIRCUITRY THAT CAN BE OR NEEDS TO BE SHOWN:																			
RANGE INHIBIT																			
ENGINE (YELLOW LED)																			
ENGINE (RED LED)																			
TRAC CTRL																			
CHECK TRANS																			
TRAILER ABS																			
CHECK ELECTR SYS																			
ABS																			
WAIT TO START																			
RETARD OVERHEAT																			
AUTO NEUTRAL										(NOT ON DATA BUS TO CLUSTER)									
OPTIMIZED IDLE										(NOT ON DATA BUS TO CLUSTER)									

Figure 58 Warning Lights Controlled by Engine, Transmission, ABS Controller

7.4. ENGINE OIL PRESSURE AND TEMP, SPEEDOMETER, TACH, VOLTMETER AND WATER TEMP GAUGE CIRCUITS, P. 4

<p>INTERNATIONAL TRUCK AND ENGINE CORPORATION</p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</p>	<p>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 7</p> <p>ENG OIL PRESS & TEMP, SPEEDOMETER, TACH, VOLTMETER & WATER TEMP GAUGE CIRCUITS</p>																												
<p>REFER TO CONSOLIDATED ENGINE/VEHICLE CONTROLLER DIAGNOSTICS MANUAL EGES-175 (DT466), EGES-190 (V8-AVNT), FOR CIRCUIT DIAGRAMS SHOWING INPUT CIRCUITRY FOR THE FOLLOWING DATALINK DRIVEN SYSTEM:</p> <p>ENGINE OIL PRESSURE GAUGE</p> <p>ENGINE OIL TEMPERATURE GAUGE</p> <p>SPEEDOMETER GAUGE</p> <p>TACHOMETER GAUGE</p> <p>WATER TEMPERATURE GAUGE</p>																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">CHK</td> <td style="width: 15%;">DATE</td> <td style="width: 25%;">CHANGE</td> <td style="width: 5%;">REV</td> <td style="width: 15%;">REFERENCE</td> <td style="width: 15%;">DRAWN</td> <td style="width: 30%;">NAME</td> </tr> <tr> <td>PEC</td> <td>16JAN01</td> <td>PRODUCTION RELEASE.</td> <td>A</td> <td>P54304U</td> <td>U00JXP9</td> <td>42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO.</td> <td>DATE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>P52778H</td> <td>20JUN00</td> </tr> </table>		CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS						RELEASE NO.	DATE						P52778H	20JUN00
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																							
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																							
					RELEASE NO.	DATE																							
					P52778H	20JUN00																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">PART NO.</td> <td style="width: 20%;">AE08-52371</td> <td style="width: 40%;">SHEET</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">04</td> </tr> </table>		PART NO.	AE08-52371	SHEET			04																						
PART NO.	AE08-52371	SHEET																											
		04																											

Figure 59 Engine Oil Pressure and Temp, Speedometer, Tach, Voltmeter and Water Temp Gauge Circuits

7.5. IP/GAUGES AND WARNING LIGHTS — GAUGE CLUSTER, P. 5

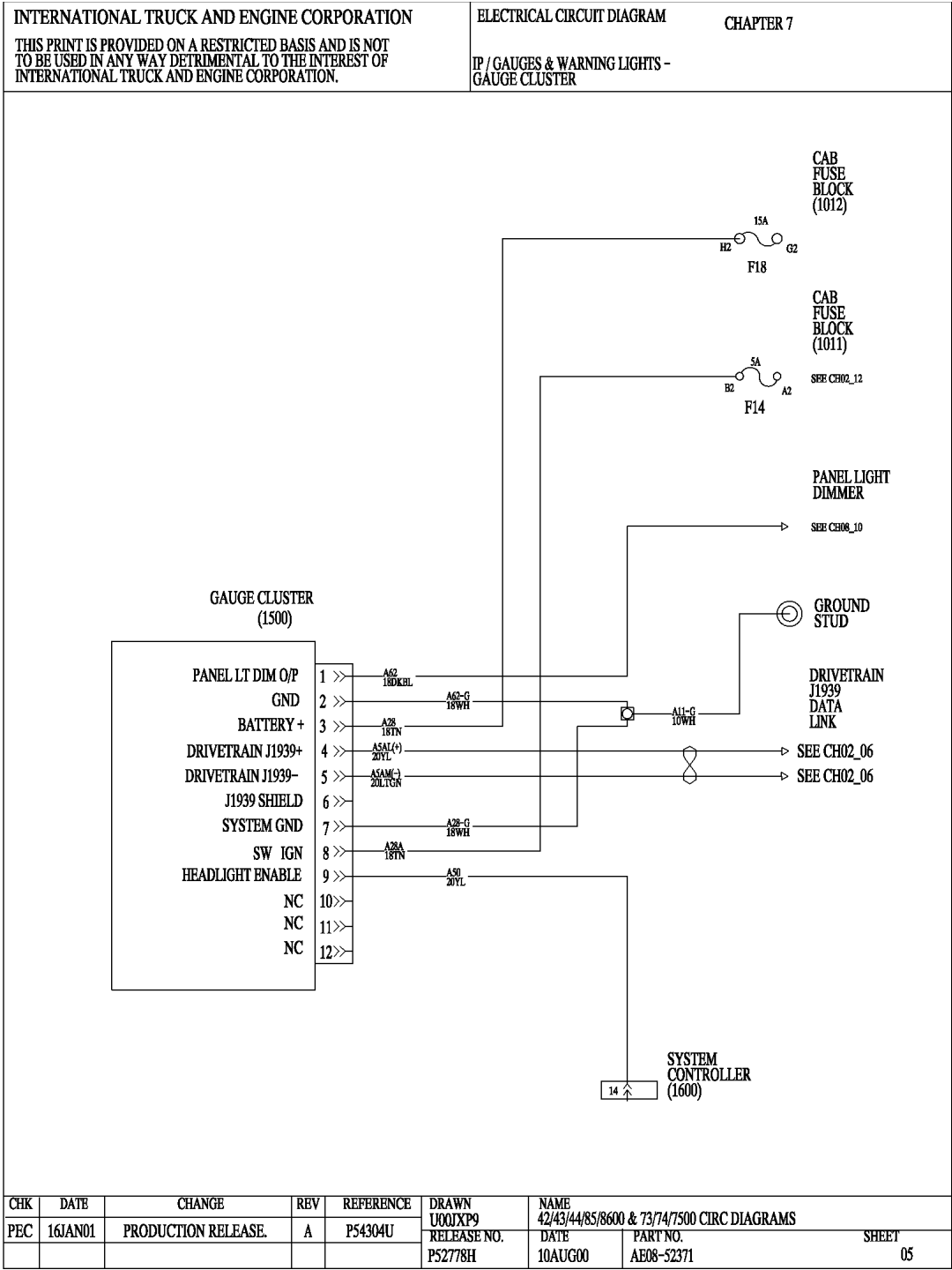


Figure 60 IP/Gauges and Warning Lights — Gauge Cluster

7.6. AIR PRESSURE INPUT CIRCUIT, P. 6

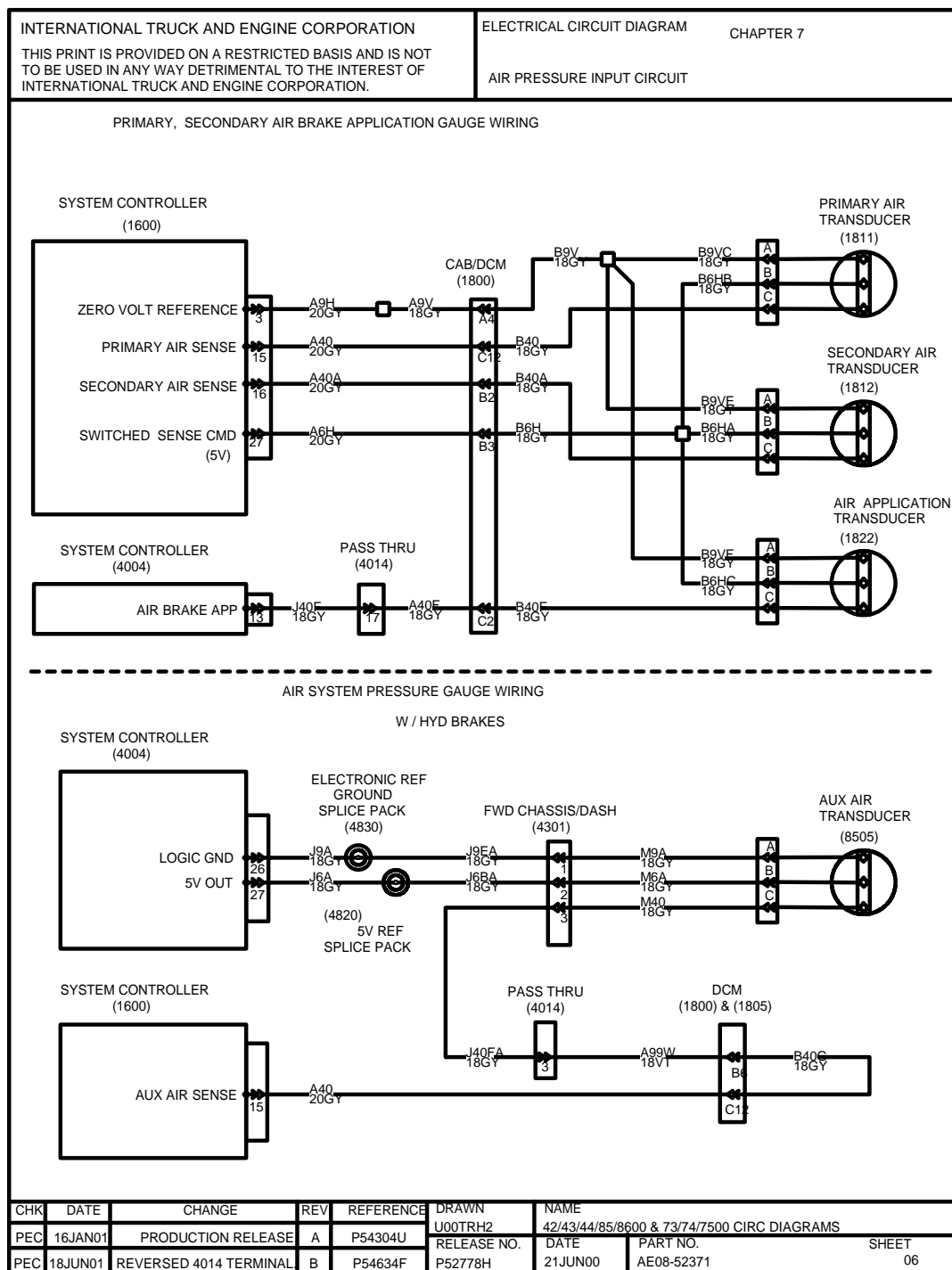


Figure 61 Air Pressure Input Circuit

7.7. AXLE TEMPERATURE, FWD REAR AND REAR AXLES, GAUGE INPUT CIRCUIT, P. 7

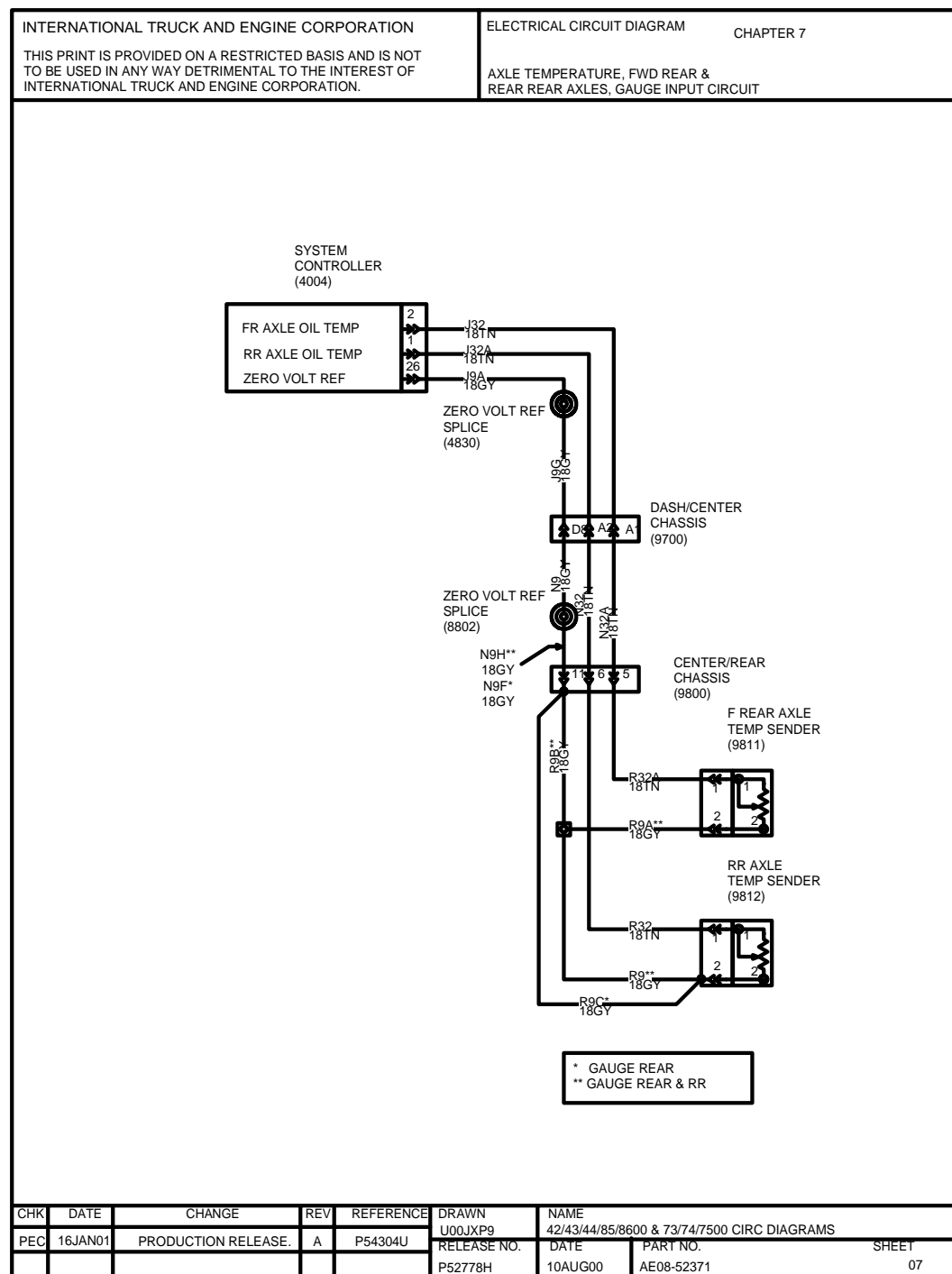


Figure 62 Axle Temperature, FWD Rear and Rear Axles, Gauge Input Circuit

7.8. FUEL GAUGE INPUT CIRCUIT (SINGLE TANK) DIFFERENTIAL LOCK WARNING LAMPS, P. 8

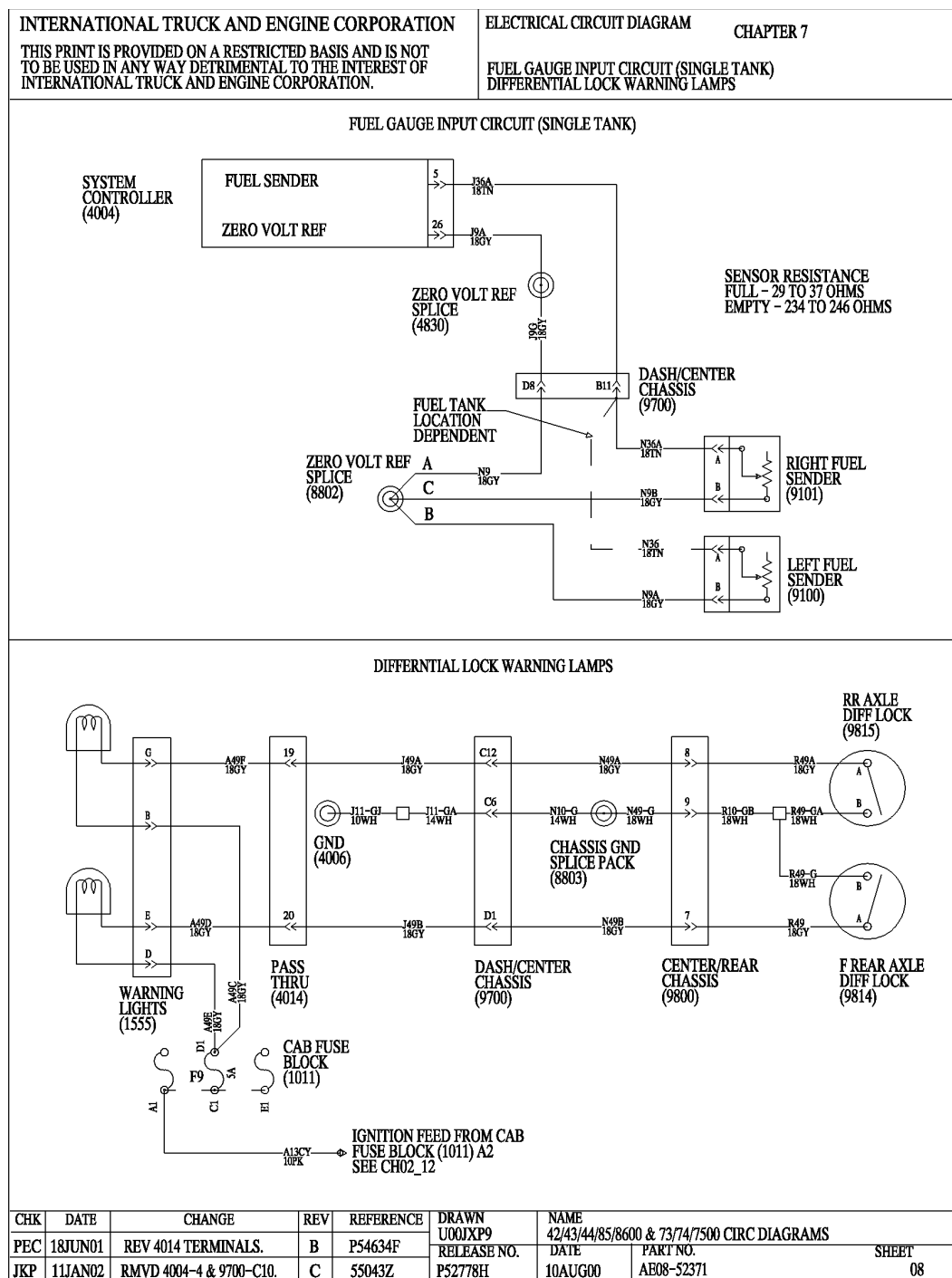


Figure 63 Fuel Gauge Input Circuit (Single Tank) Differential Lock Warning Lamps

7.9. GAUGES AND WARNING LIGHTS — FUEL FILTER RESTRICTION AND WATER IN FUEL LIGHTS, P. 9

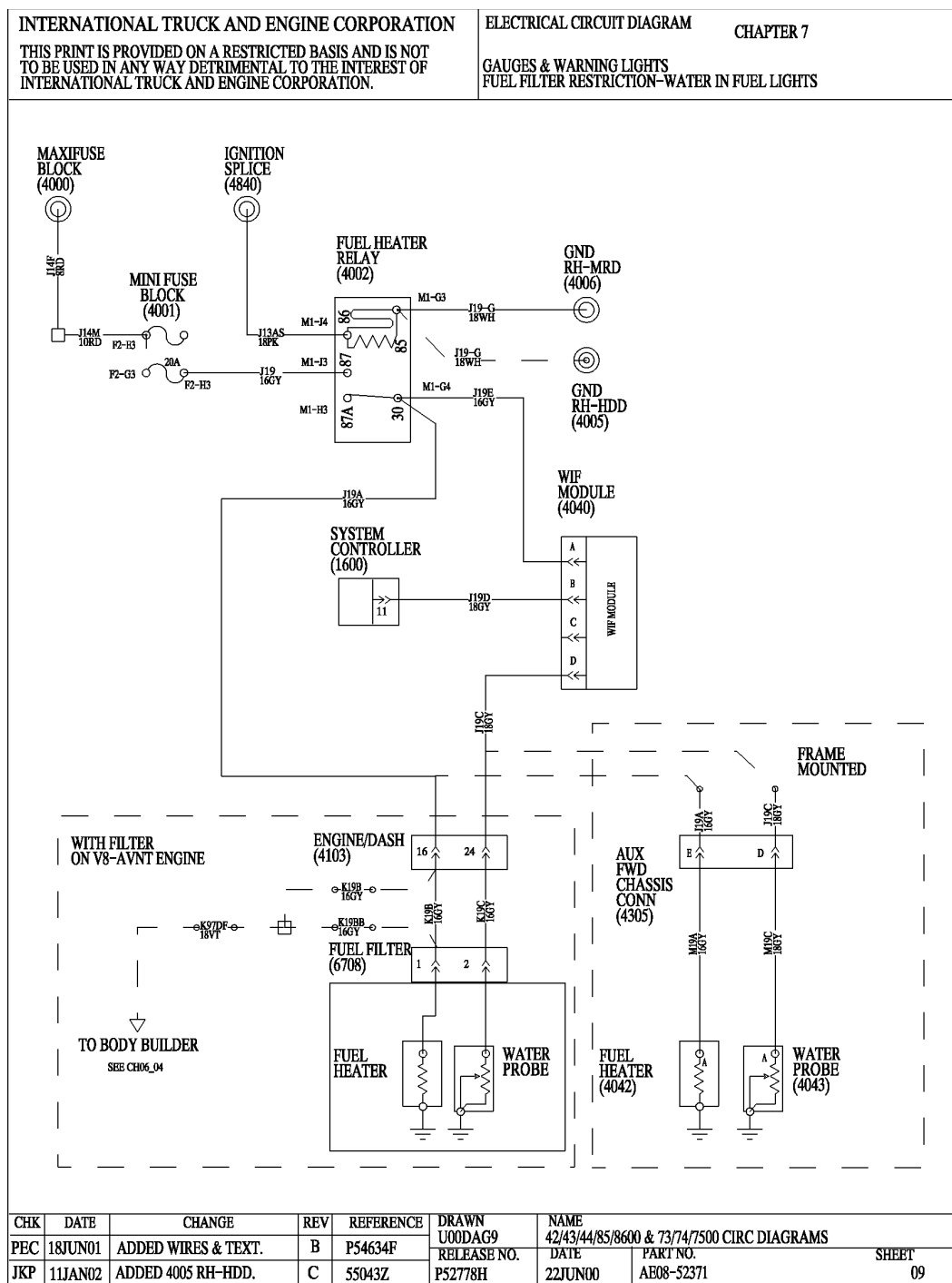


Figure 64 Gauges and Warning Lights — Fuel Filter Restriction and Water in Fuel Lights

7.10. GAUGES AND WARNING LIGHTS — PARK BRAKE LIGHT AND TRANSMISSION OIL TEMP. GAUGE, P. 10

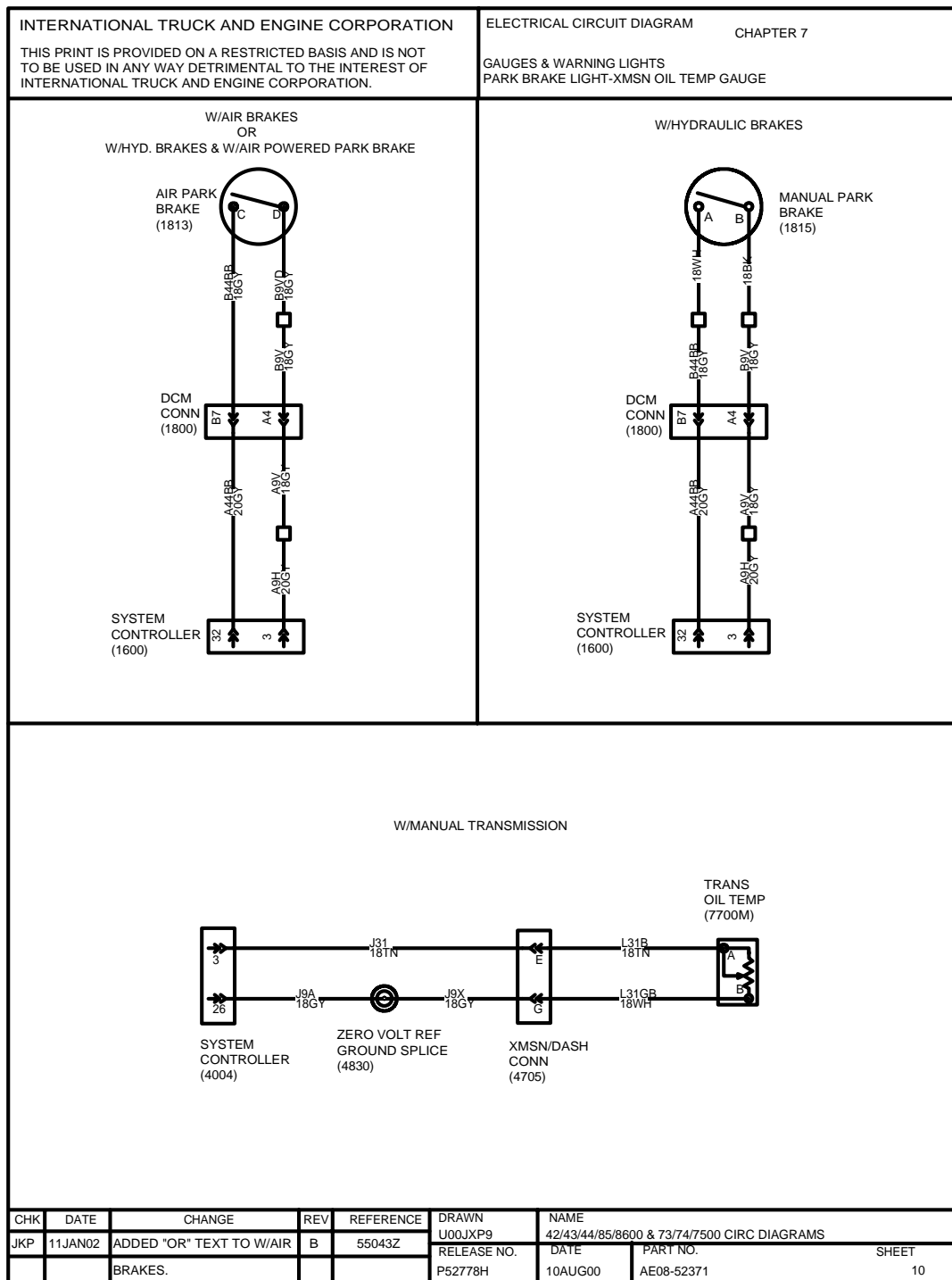


Figure 65 Gauges and Warning Lights — Park Brake Light and Transmission Oil Temp. Gauge

7.11. GAUGES AND WARNING LIGHTS — AMMETER, P. 11

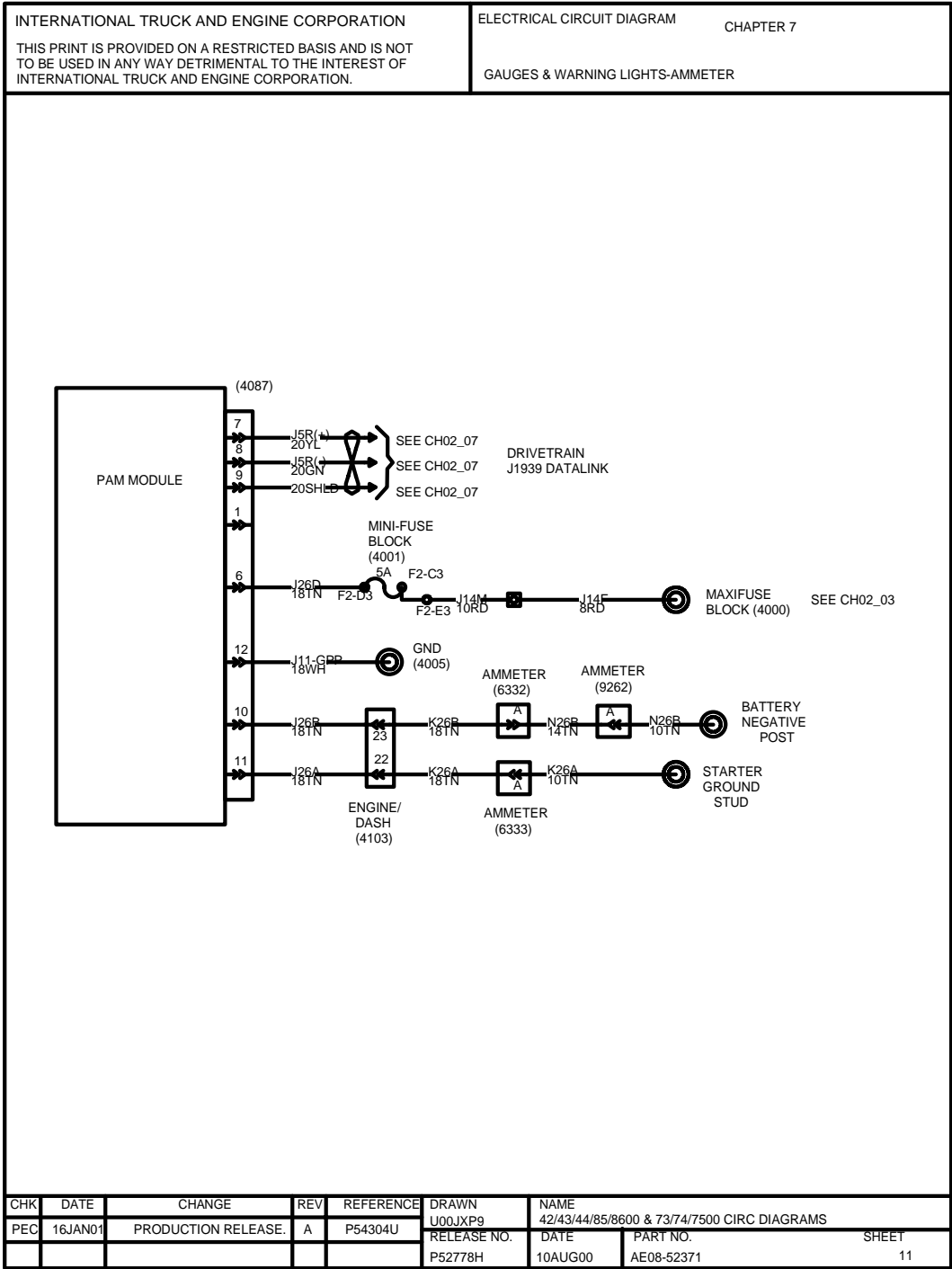


Figure 66 Gauges and Warning Lights — Ammeter

8. LIGHTS (CHAPTER 8)

8.1. BACK UP LIGHTS, P. 1

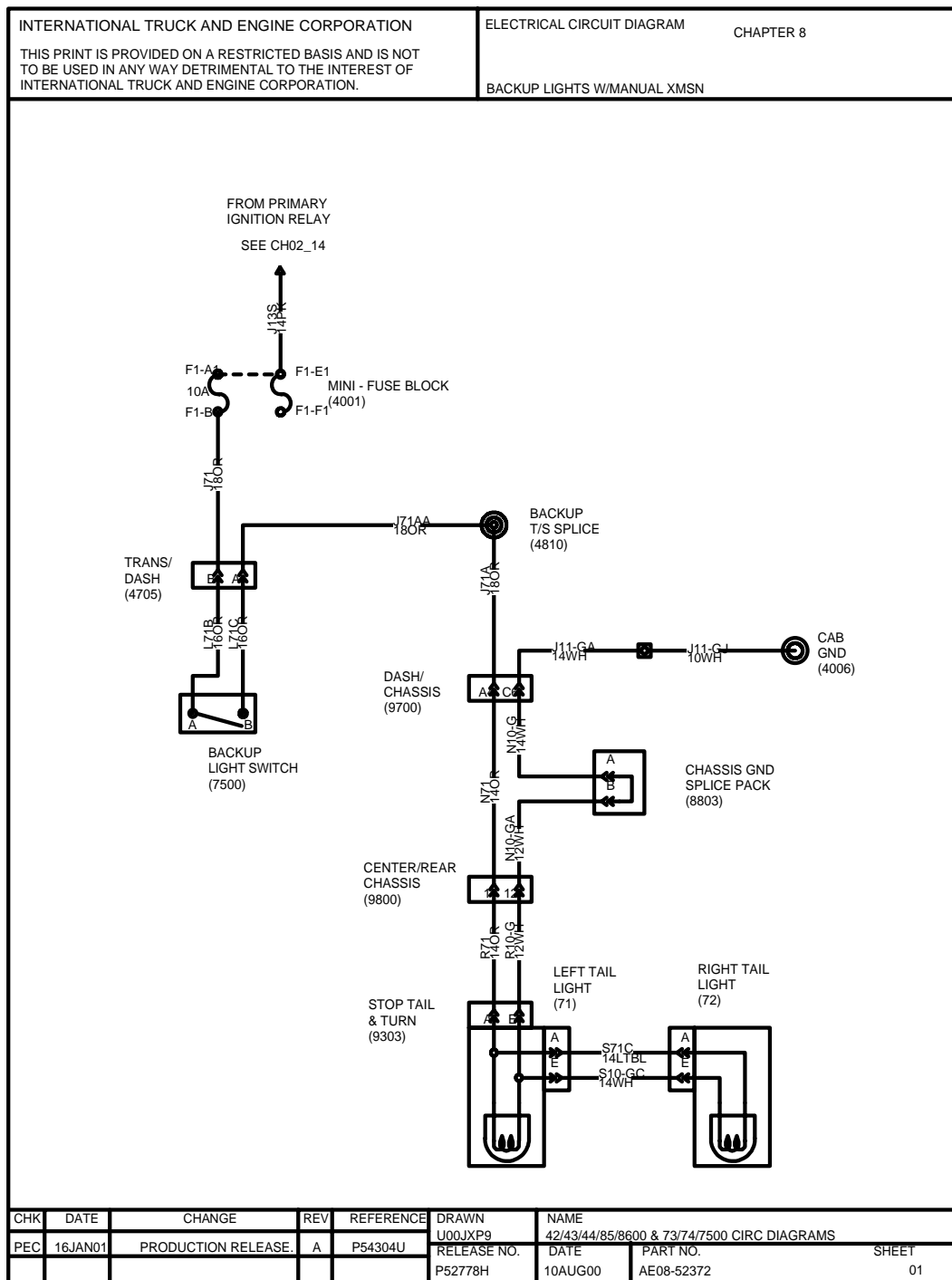


Figure 67 Back Up Lights

8.2. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LAMPS. P. 2

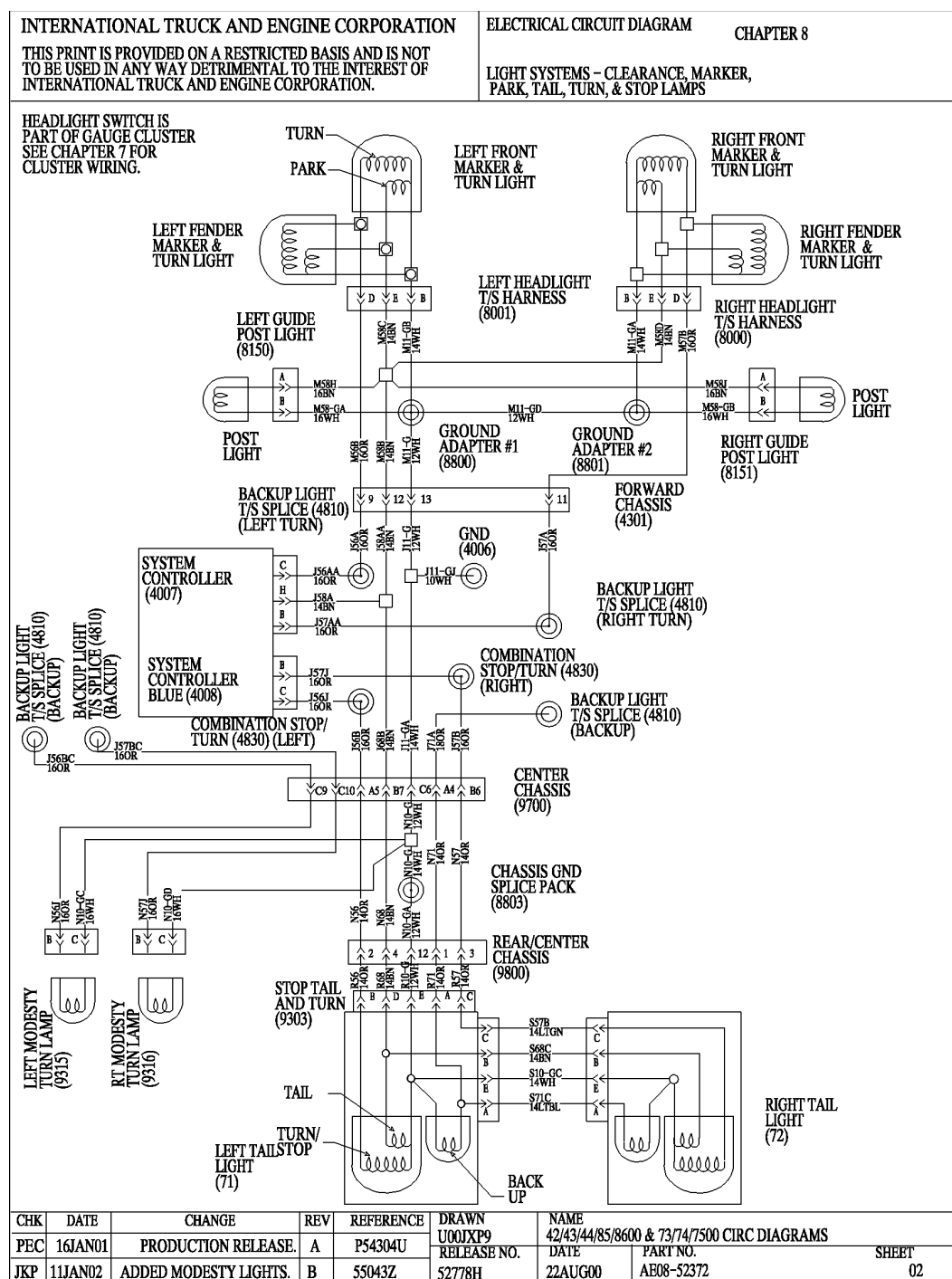


Figure 68 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lamps

8.3. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LAMPS (CONT.), P. 3

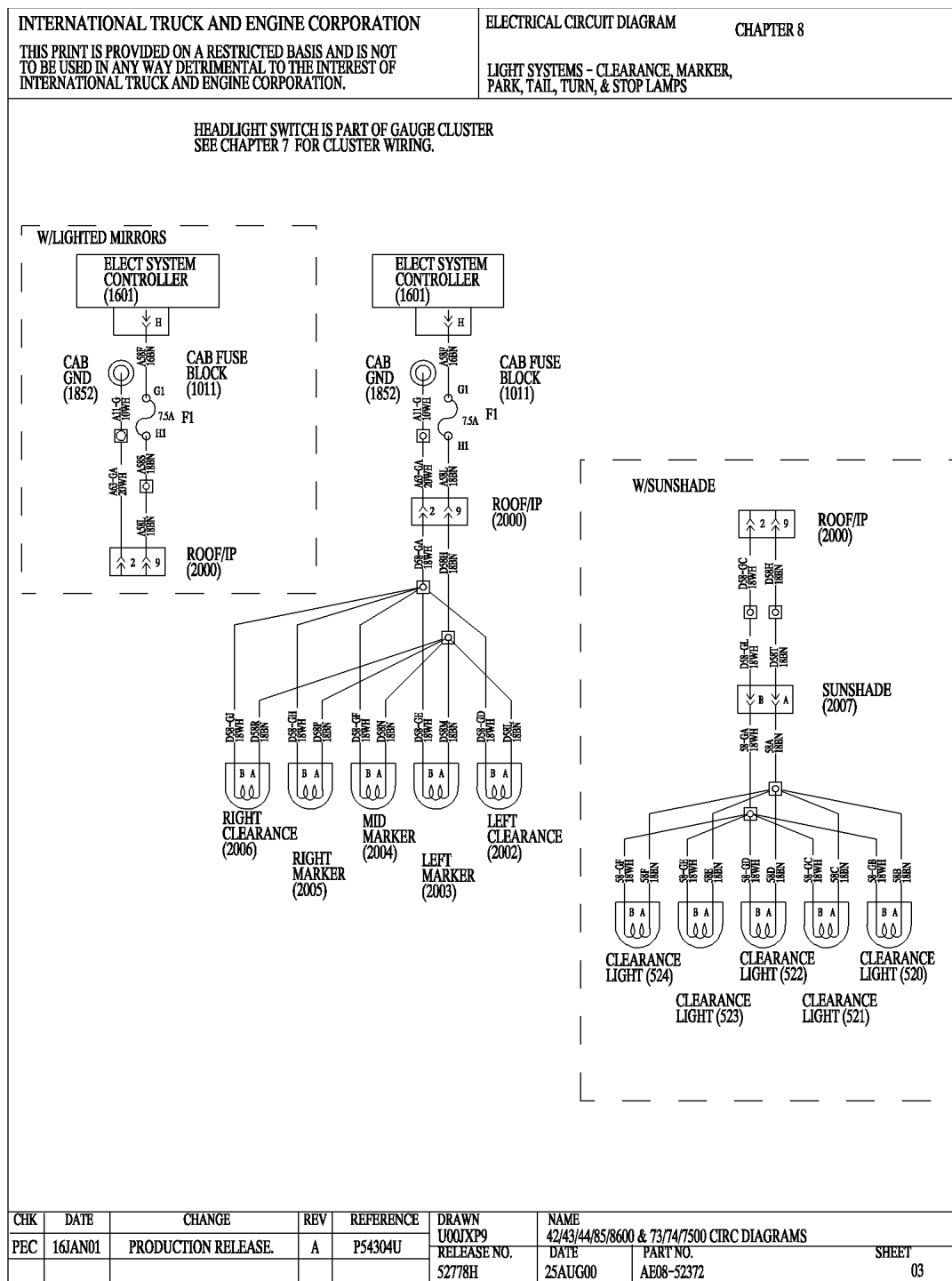


Figure 69 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lamps (Cont.)

8.4. LIGHT SYSTEMS — TURN SIGNAL AND STOP SWITCHES, P. 4

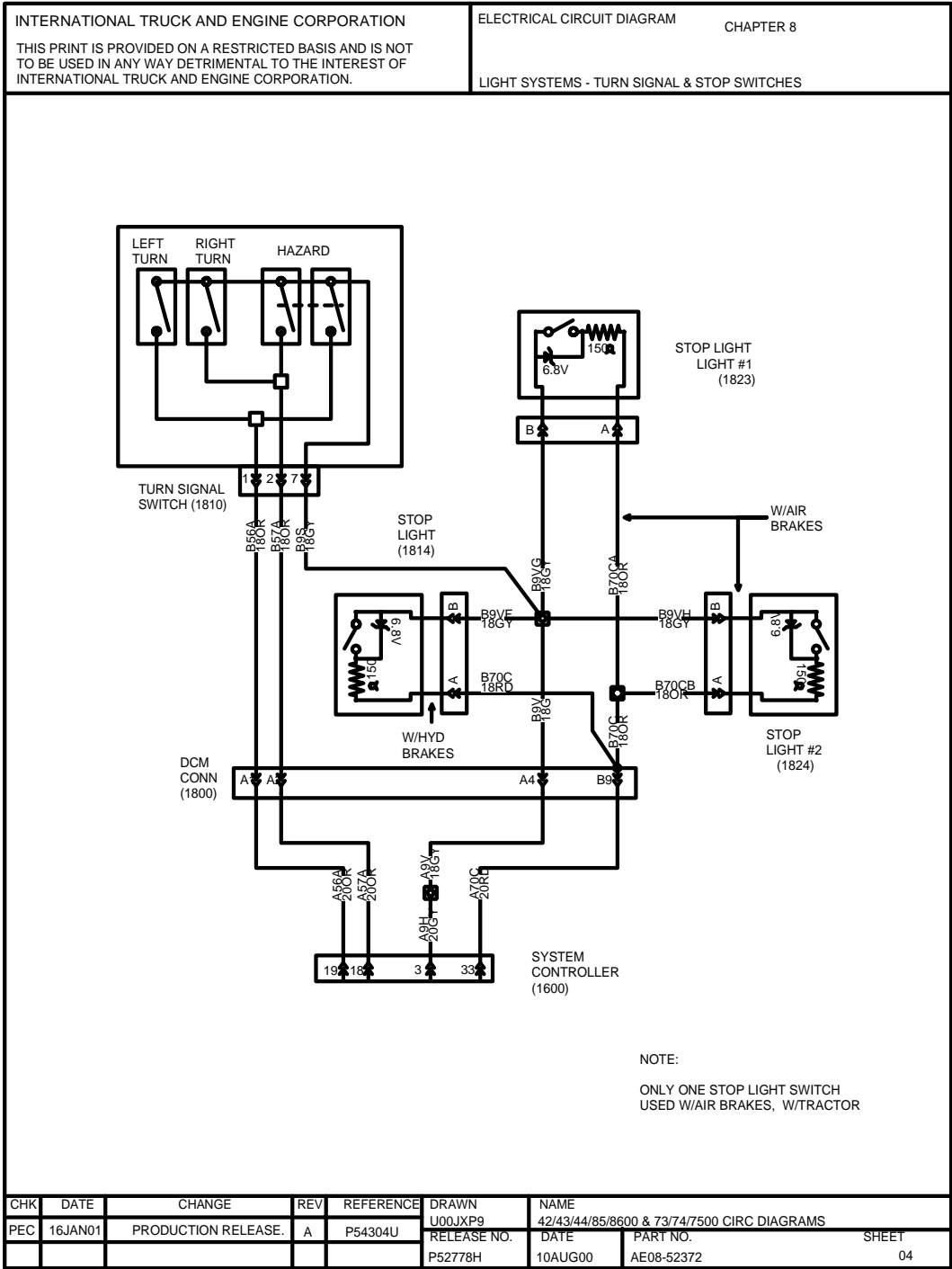


Figure 70 Light Systems — Turn Signal and Stop Switches

8.5. DOME LIGHT, MAP LIGHT, P. 5

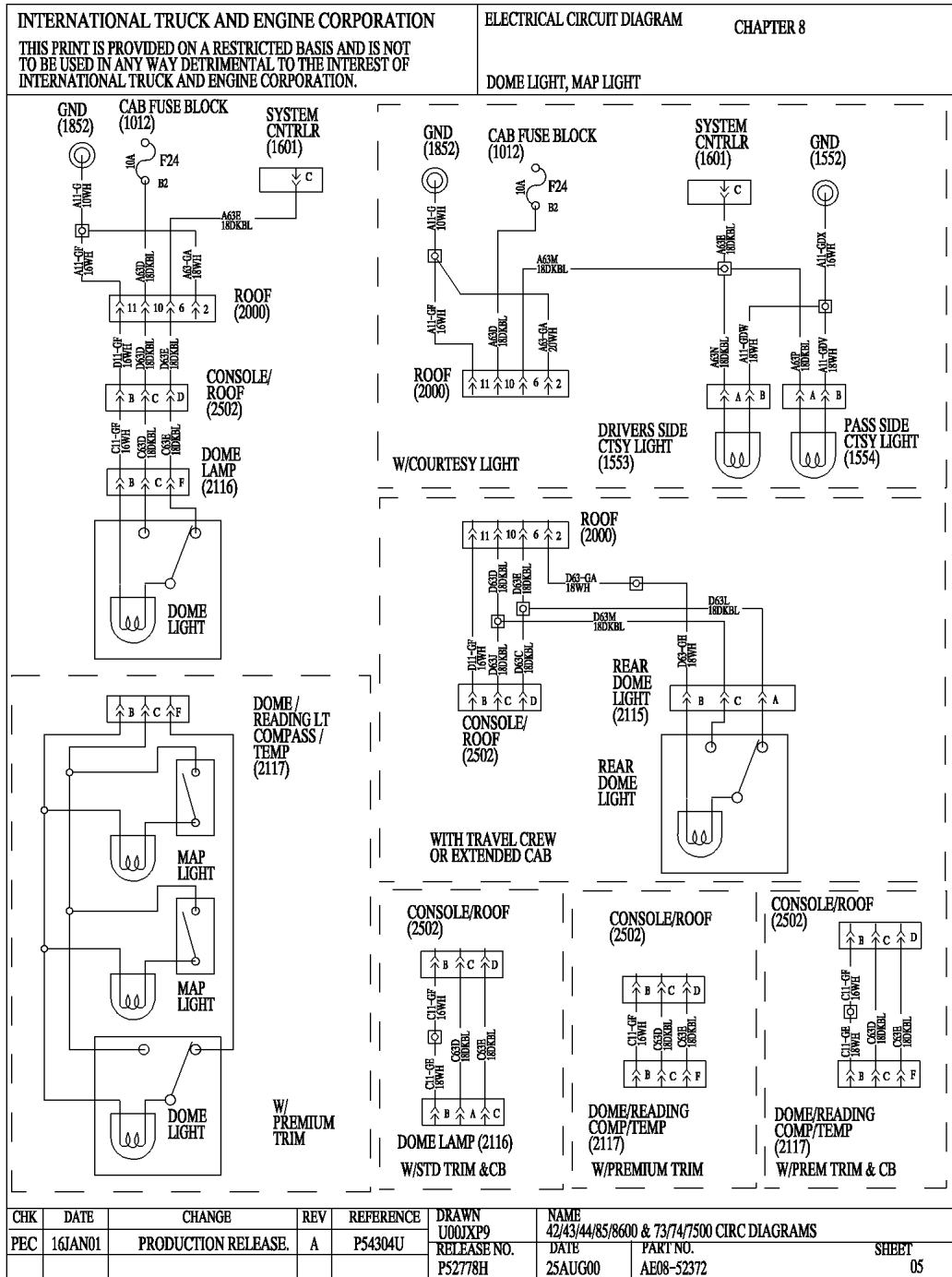


Figure 71 Dome Light, Map Light

8.6. DOME LIGHT, MAP LIGHT (CONT.), P. 6

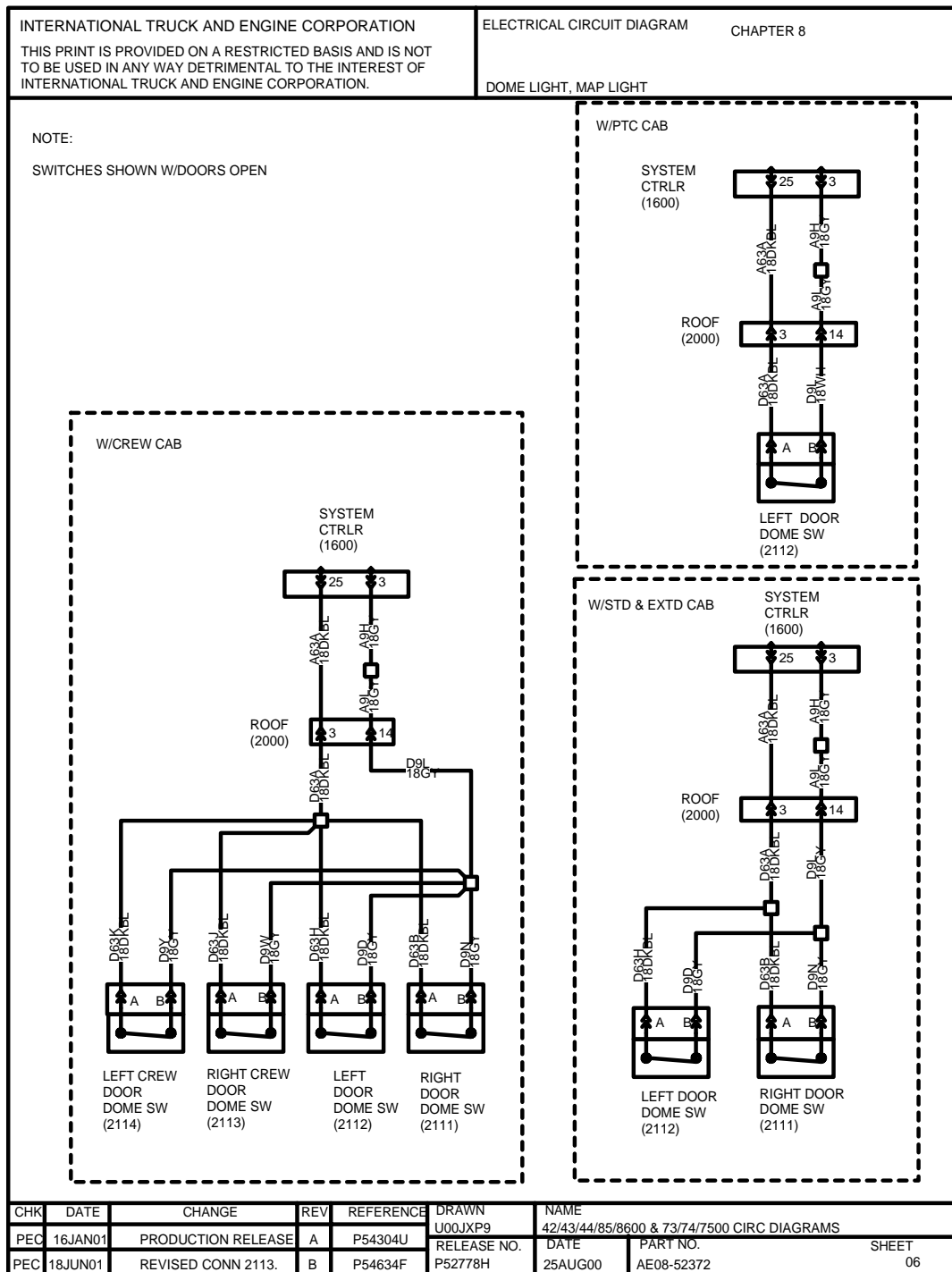


Figure 72 Dome Light, Map Light (Cont.)

8.7. FOG LIGHT AND WORK LIGHT, P. 7

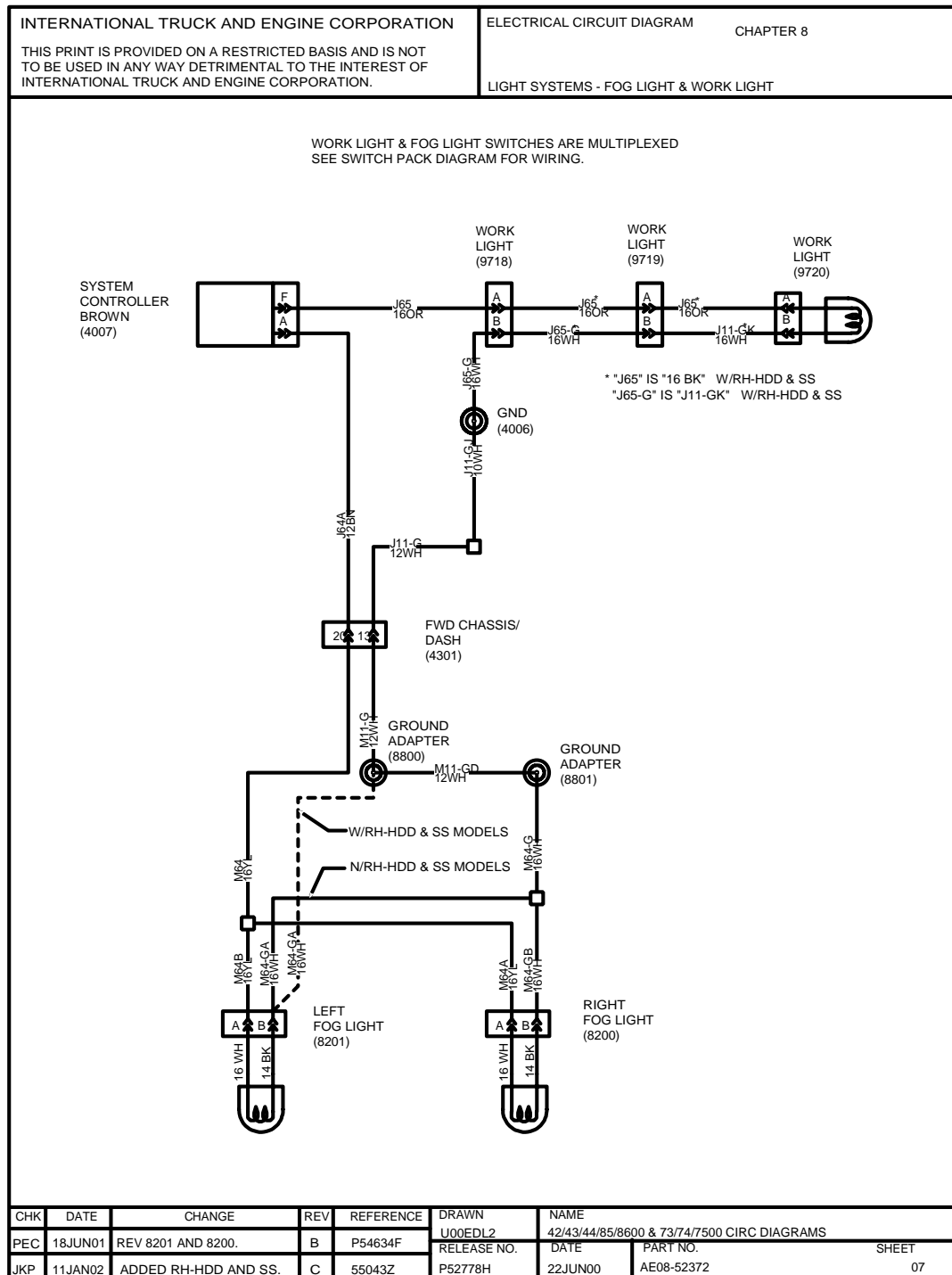


Figure 73 Fog Light and Work Light

8.8. HEADLIGHTS, P. 8

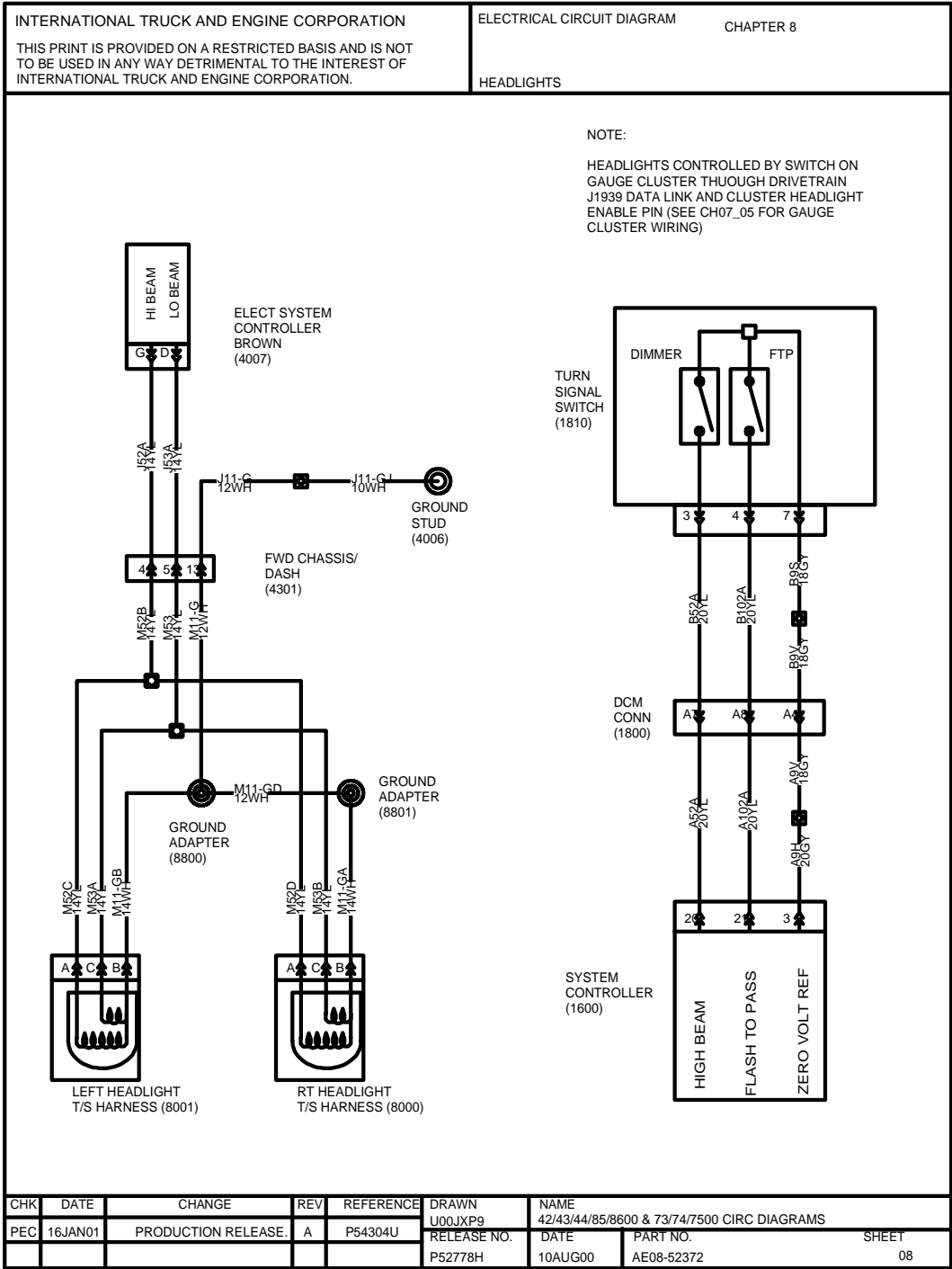


Figure 74 Headlights

8.9. AUX. HEADLIGHTS, AUX. PARK, AUX TURN, P. 9

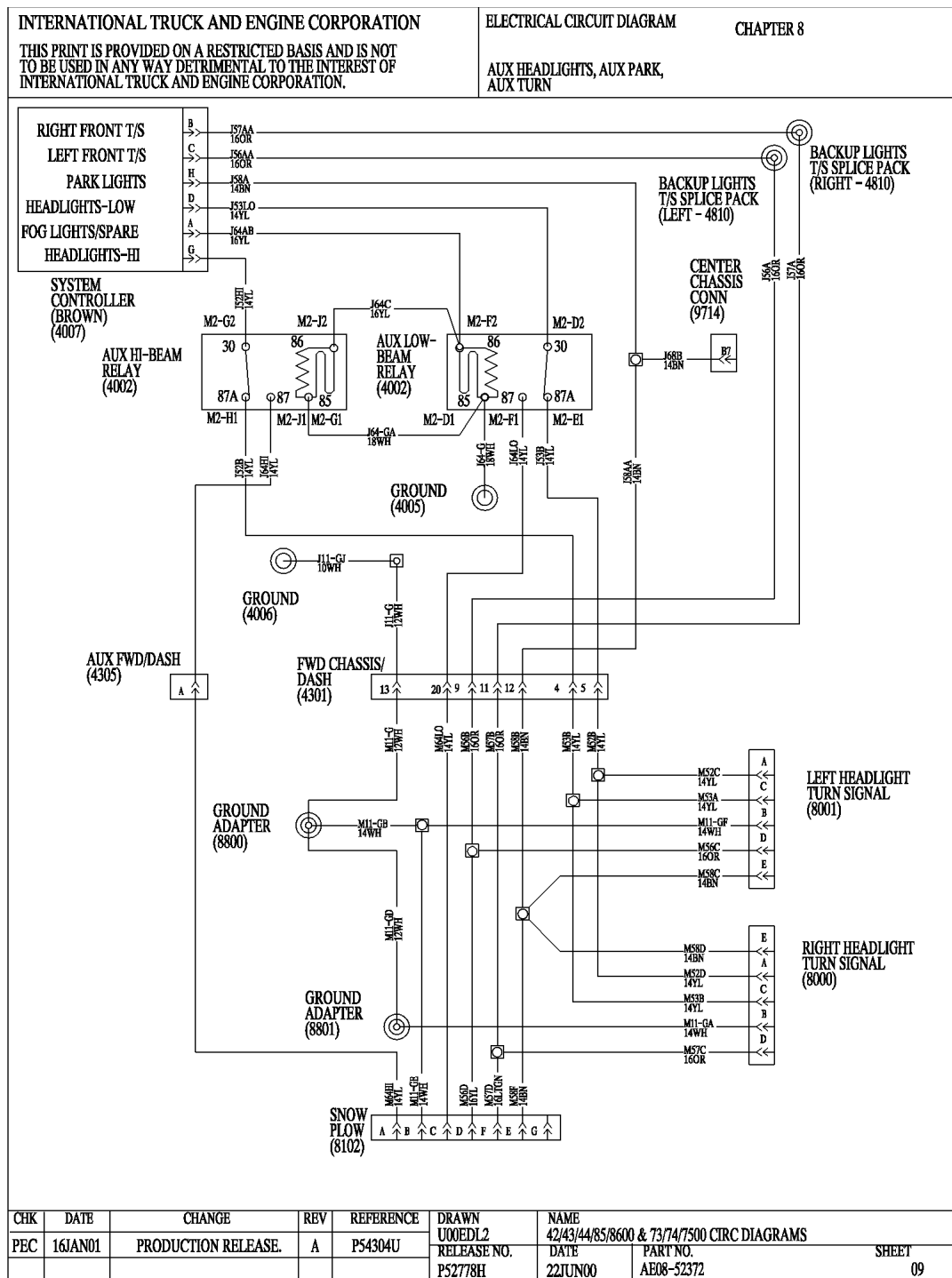


Figure 75 Aux. Headlights, Aux. Park, Aux Turn

8.10. PANEL LIGHTS, P. 10

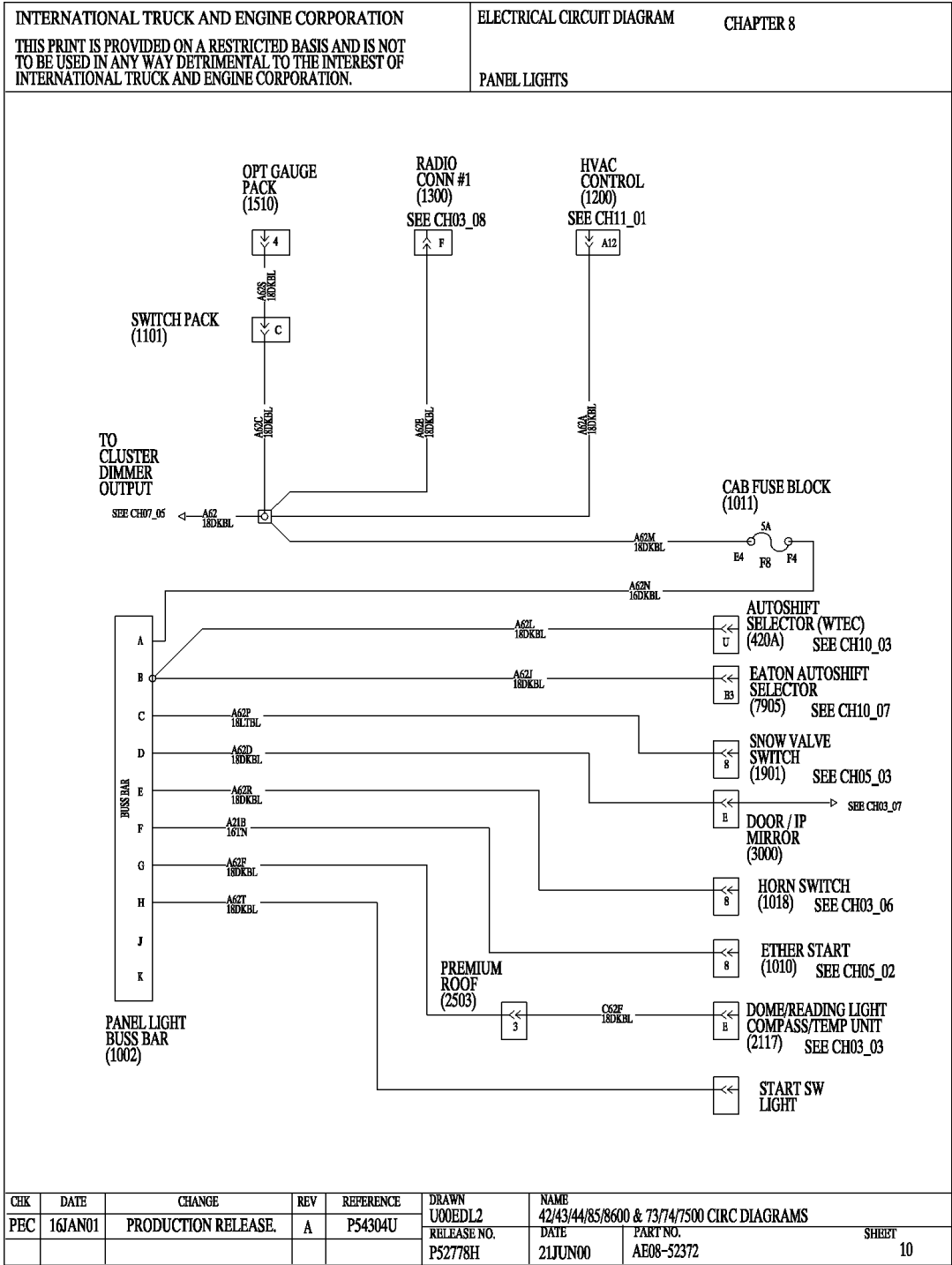


Figure 76 Panel Lights

9. CHASSIS ACCESSORIES (CHAPTER 9)

9.1. AIR DRYER AND HEATED DRAIN VALVE, P. 1

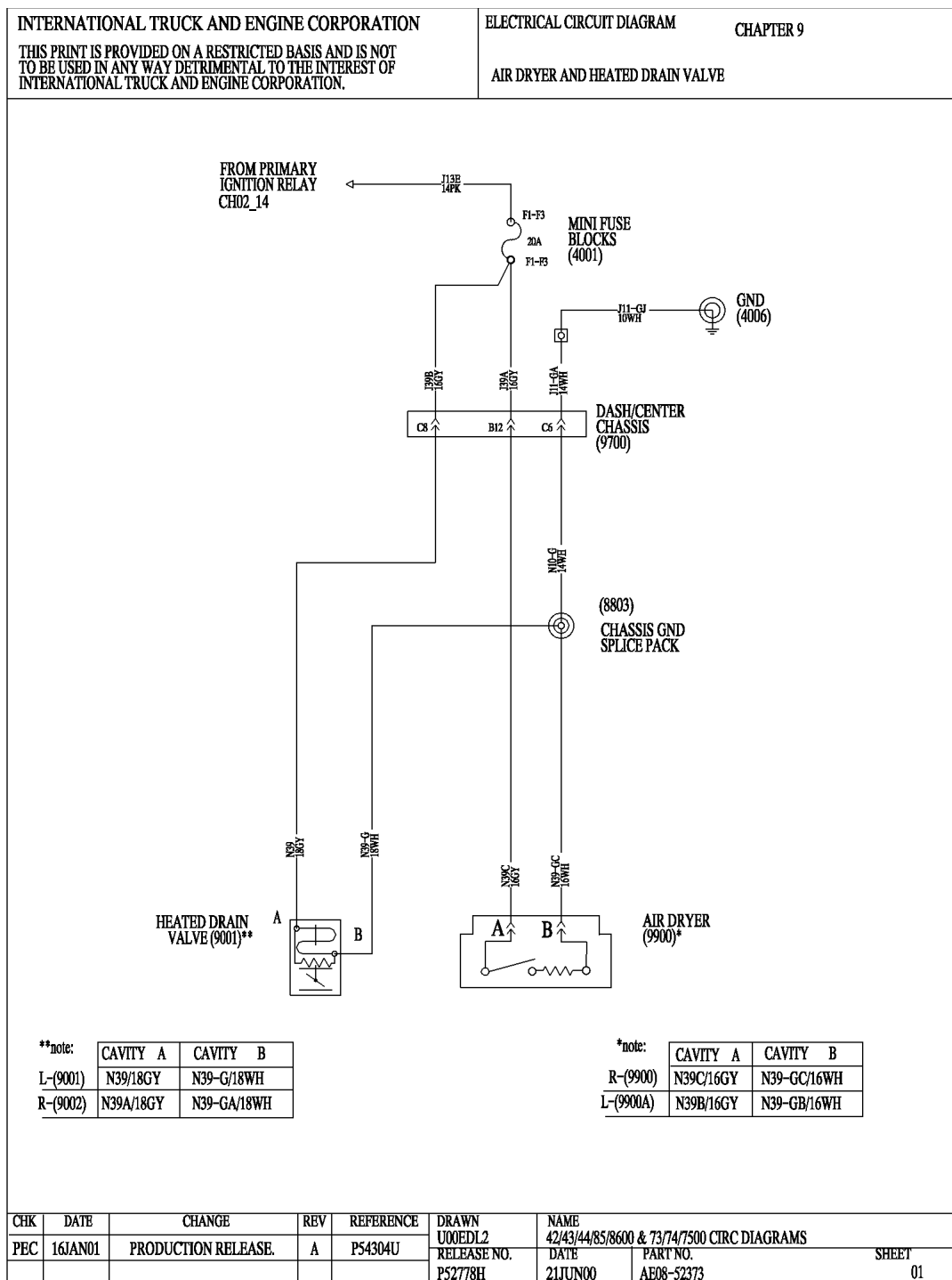


Figure 77 Air Dryer and Heated Drain Valve

9.2. ANTILOCK BRAKE SYSTEM (ABS), AIR, P. 2

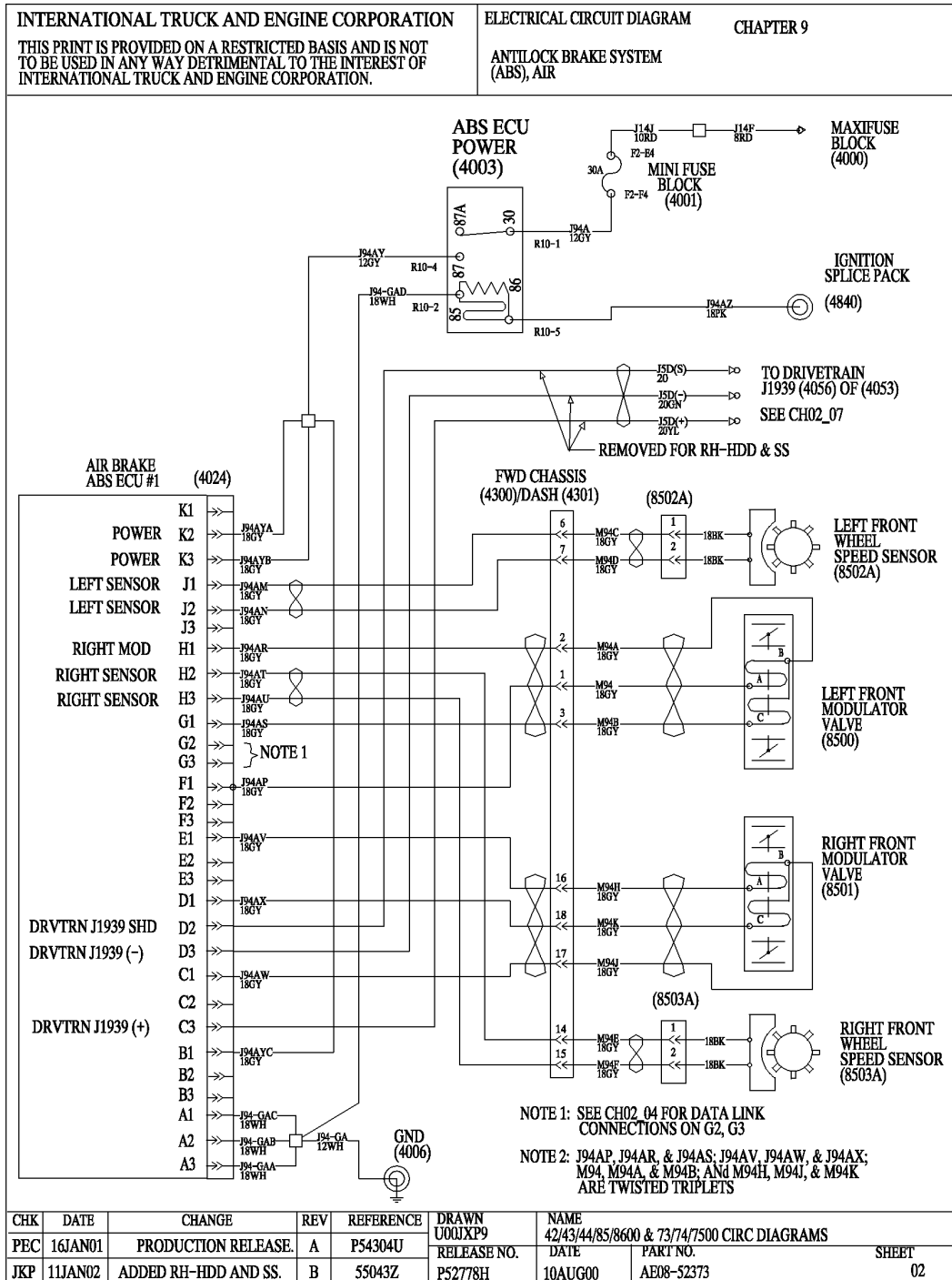


Figure 78 Antilock Brake System (ABS), Air

9.3. ANTILOCK BRAKE SYSTEM (ABS), AIR, TRACTION CONTROL, P. 3

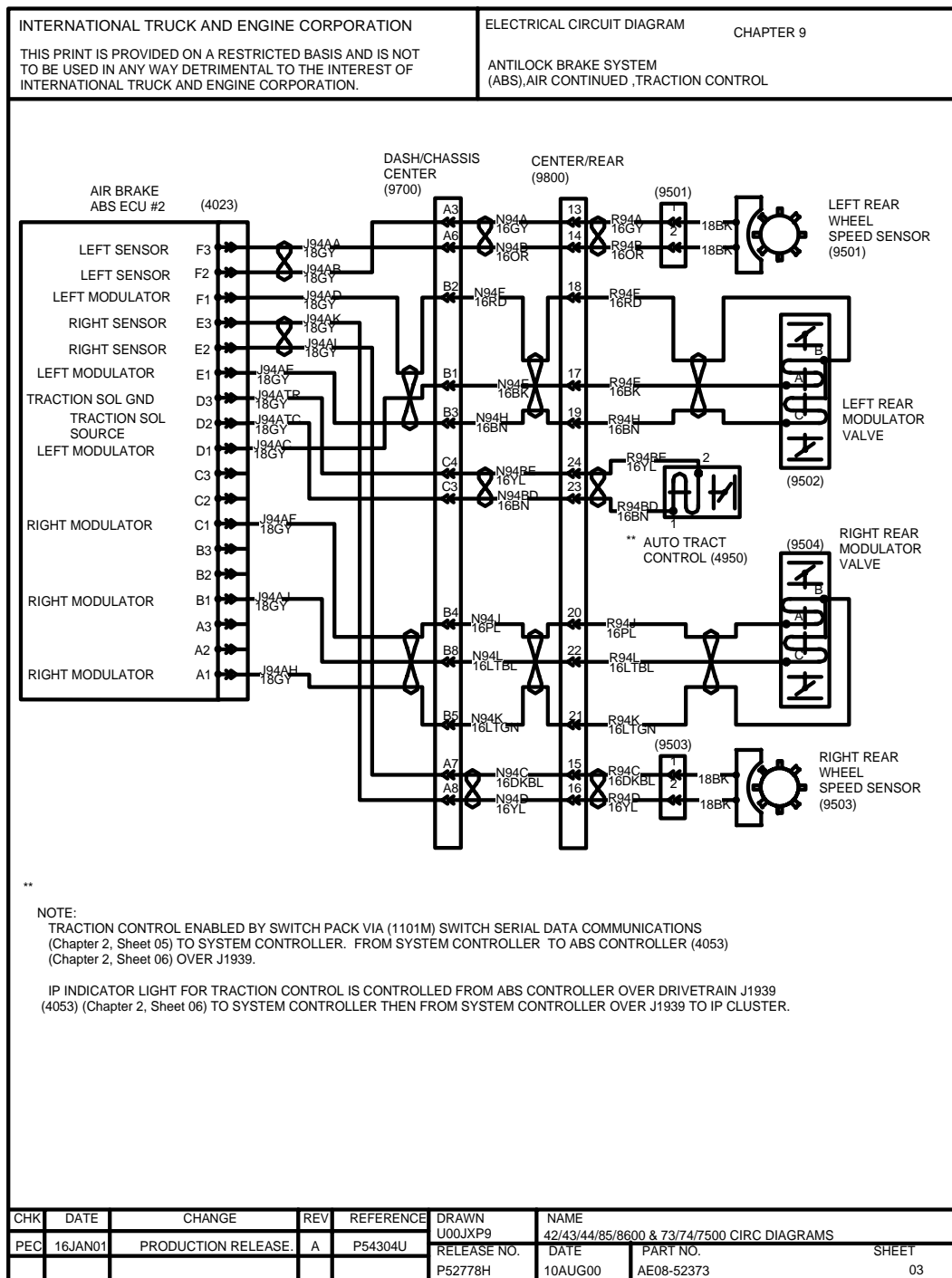


Figure 79 Antilock Brake System (ABS), Air, Traction Control

9.4. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC, P. 4

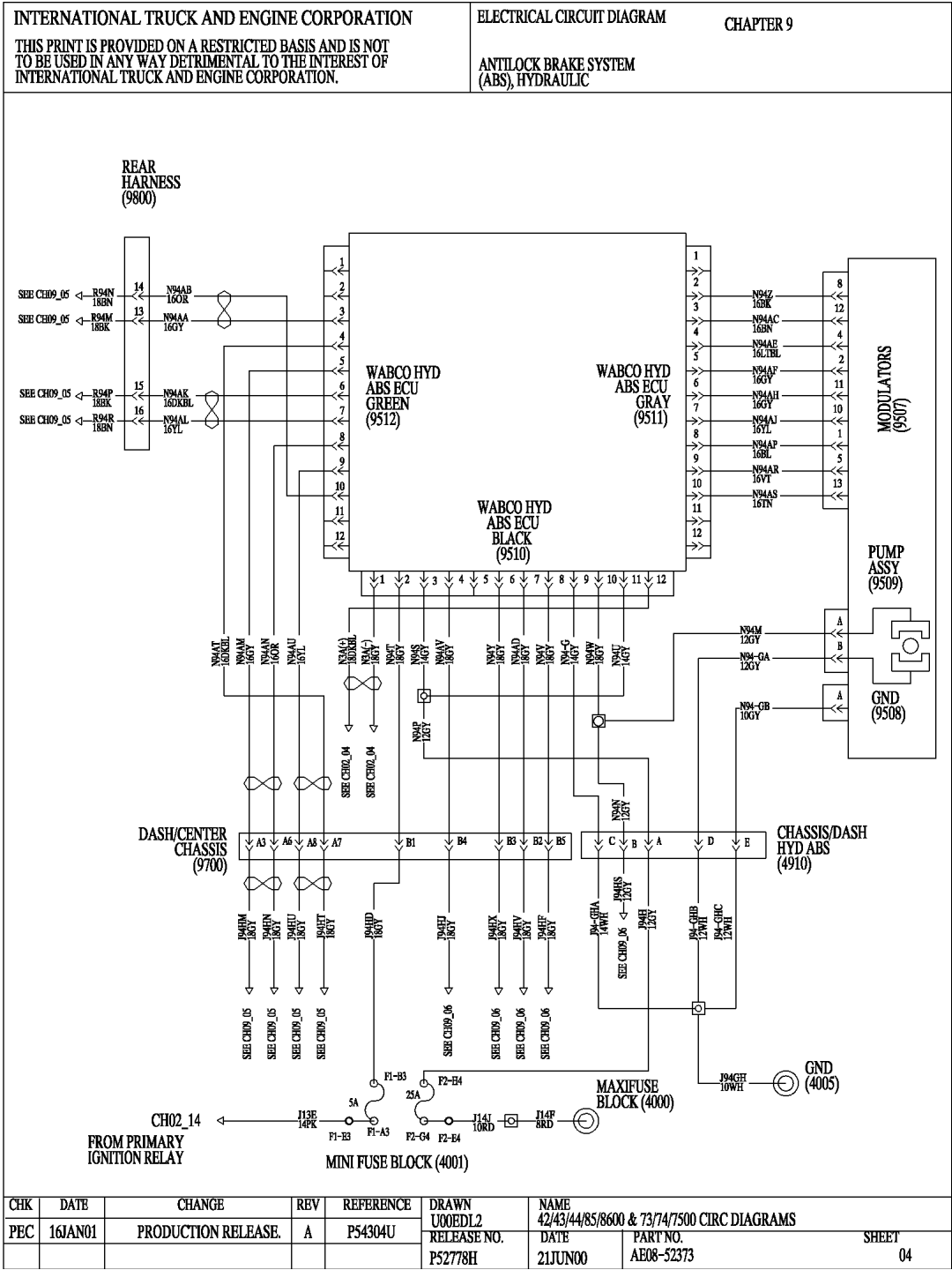


Figure 80 Antilock Brake System (ABS), Hydraulic

9.5. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC (CONT.), P. 5

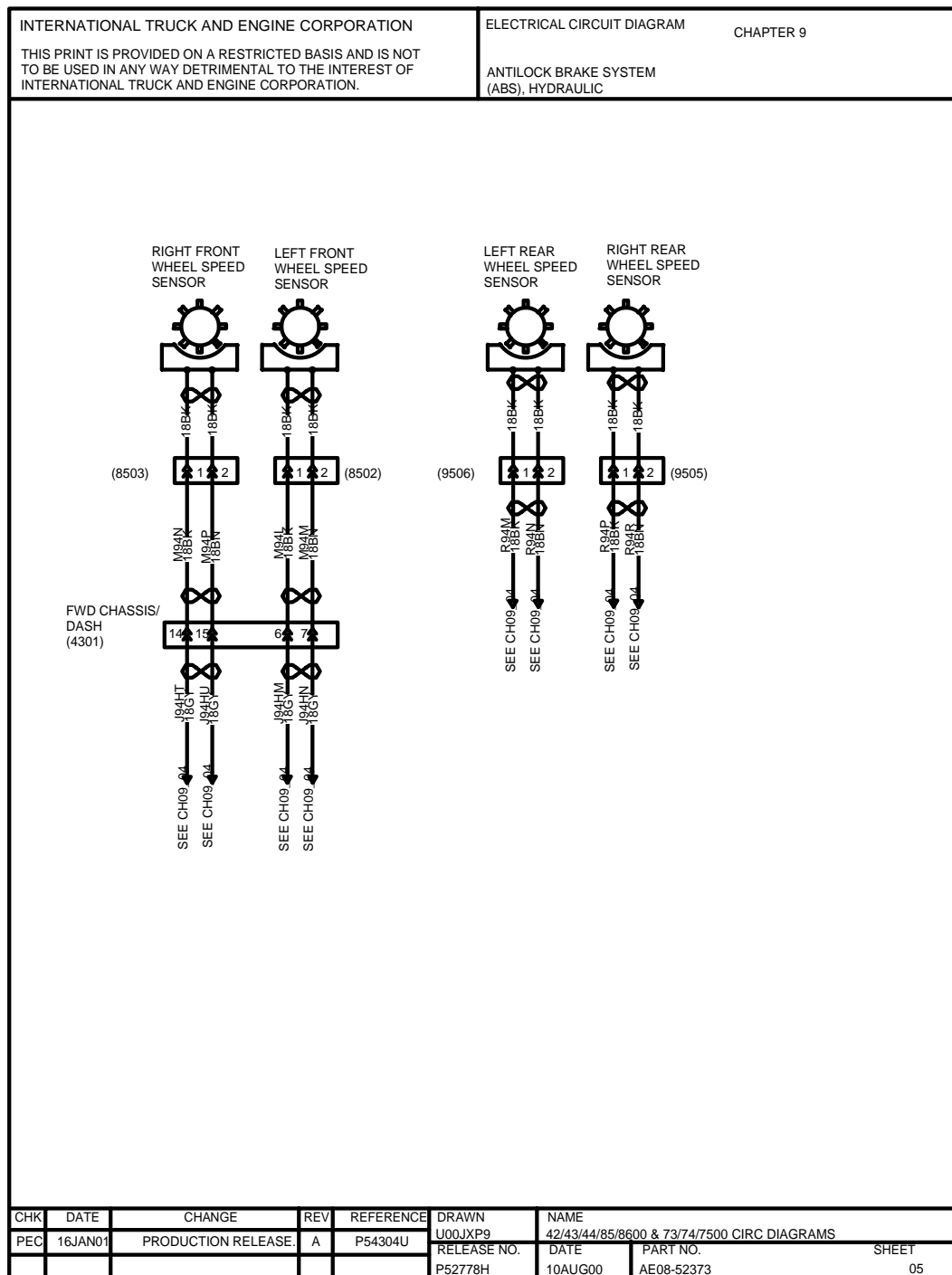


Figure 81 Antilock Brake System (ABS), Hydraulic (Cont.)

[illegible]

Figure 82 Antilock Brake System (ABS), Hydraulic (Cont.)

9.7. TWO SPEED AXLE SWITCH W/MANUAL TRANSMISSION FUEL HEATER N/WARN LIGHTS

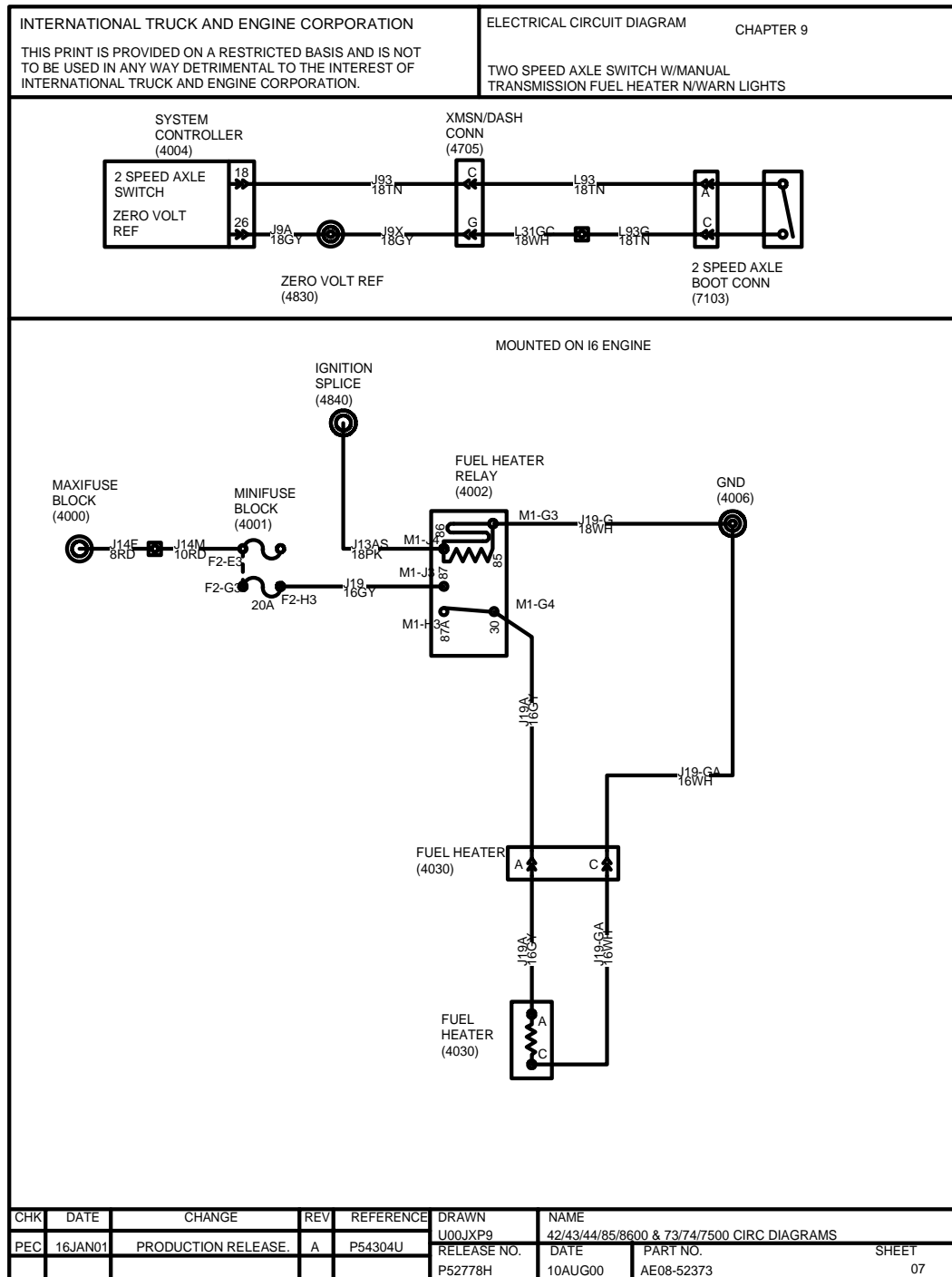


Figure 83 Two Speed Axle Switch W/Manual Transmission Fuel Heater N/Warn Lights

9.8. BRAKE SYSTEM, HYDRAULIC, P. 8

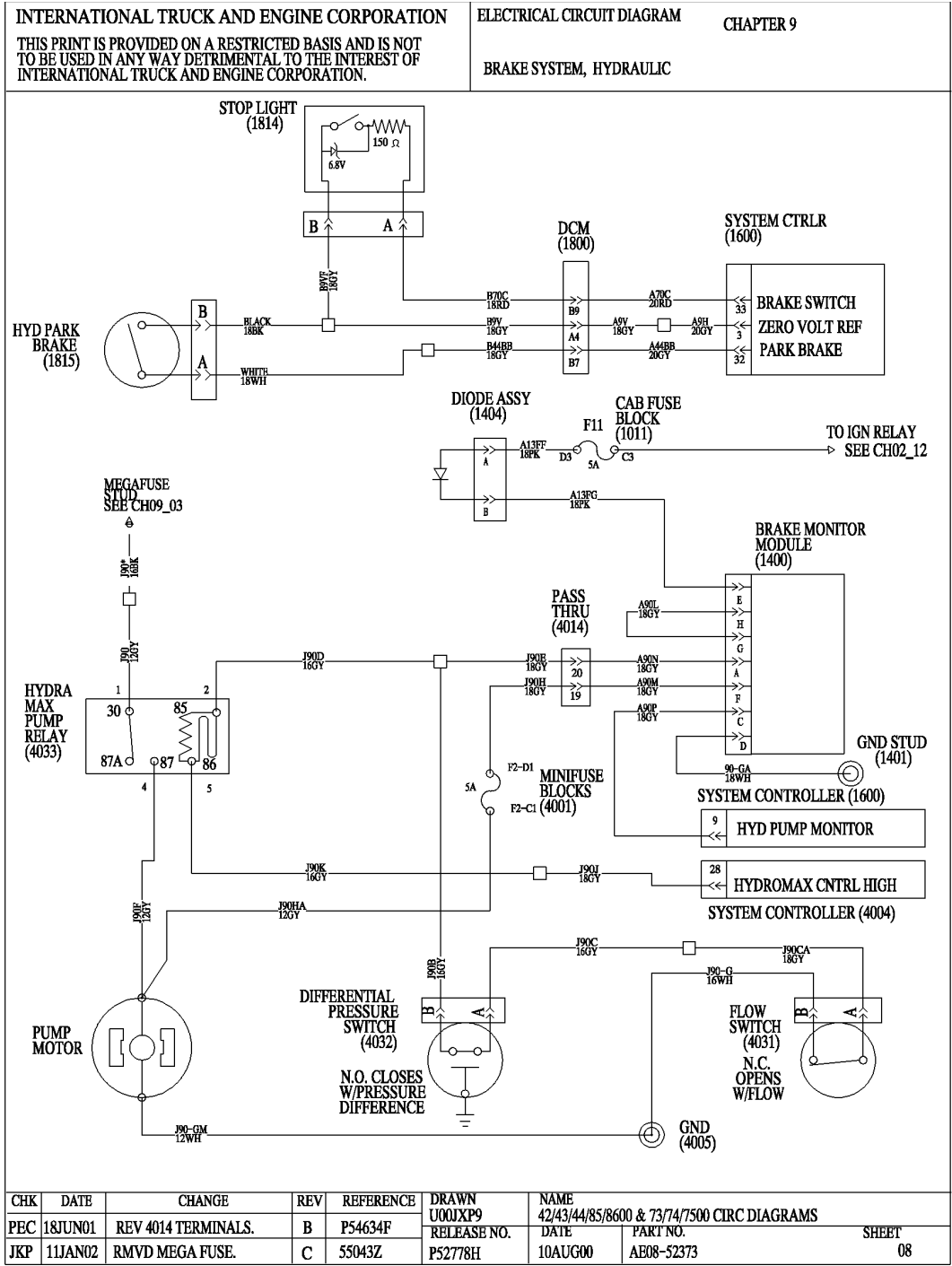


Figure 84 Brake System, Hydraulic

INTERNATIONAL TRUCK AND ENGINE CORPORATION

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 9

CHASSIS ACCESSORIES - FUEL TRANSFER PUMP

GND (4006)

FROM PRIMARY IGNITION RELAY (4003) CH02_14

MINI FUSE BLOCK (4001)

FUEL TRANSFER PUMP (9102)

PUMP MODULE

CHASSIS GROUND SPLICE (8803)

DASH/CHASSIS (9700)

SYSTEM CONTROLLER (4004)

ZERO VOLT REF SPLICE (4830)

LEFT FUEL SENDER (9100)

ZERO VOLT REF SPLICE (8802)

RIGHT FUEL SENDER (9101)

SENDER RESISTANCE (FULL 29 TO 37 OHMS) (EMPTY 234 TO 246 OHMS)

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					P52778H	10AUG00
						PART NO.
						AE08-52373
						SHEET
						09

Figure 85 Fuel Transfer Pump

9.10. BACK OF CAB BODY BUILDER AND TRAILER STOP, TAIL, MARKER, P. 10

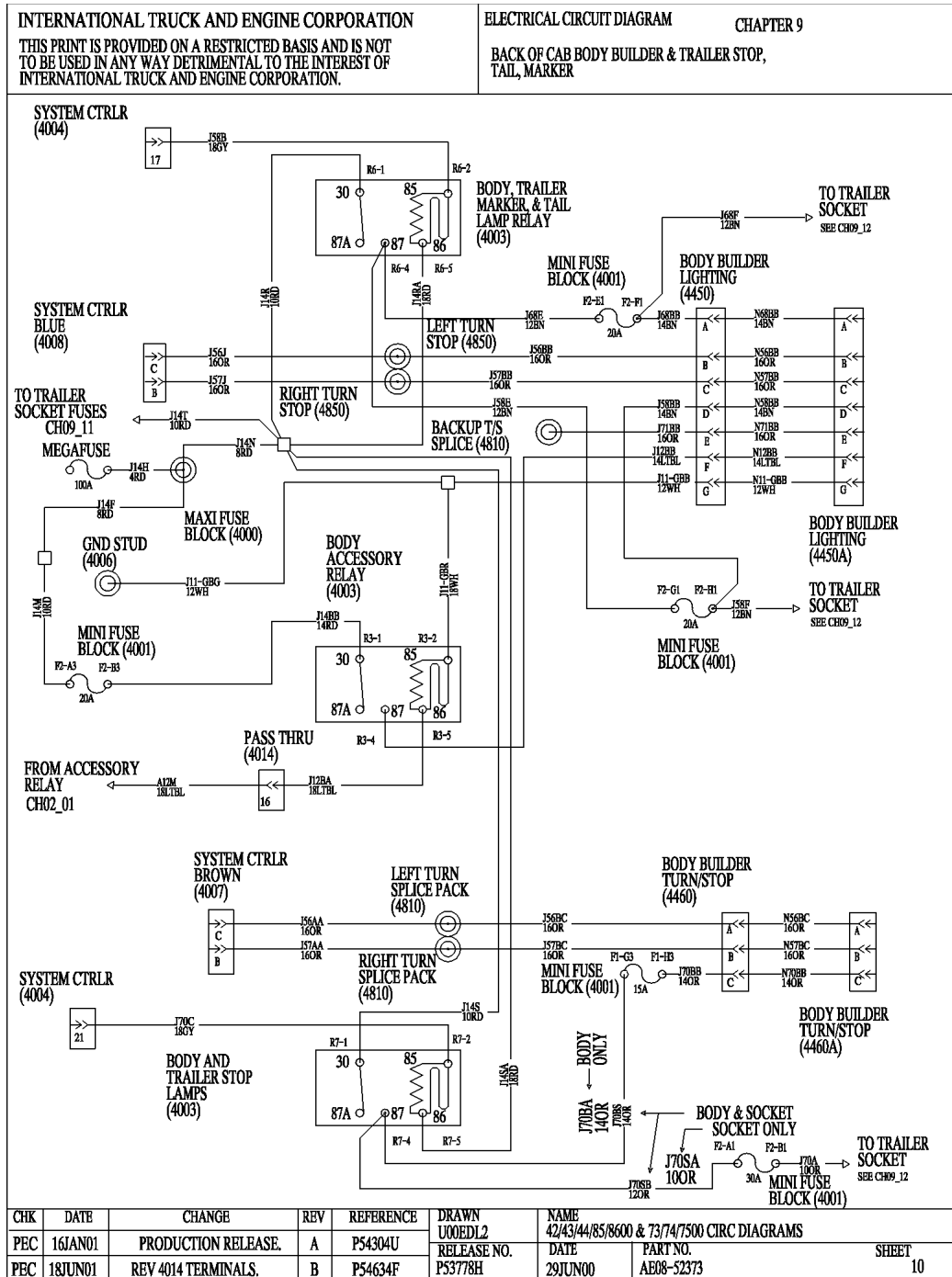


Figure 86 Back of Cab Body Builder and Trailer Stop, Tail, Marker

9.11. BODY BUILDER AND TRAILER TURNS, CENTER PIN ABS, CENTER PIN AUX, P. 11

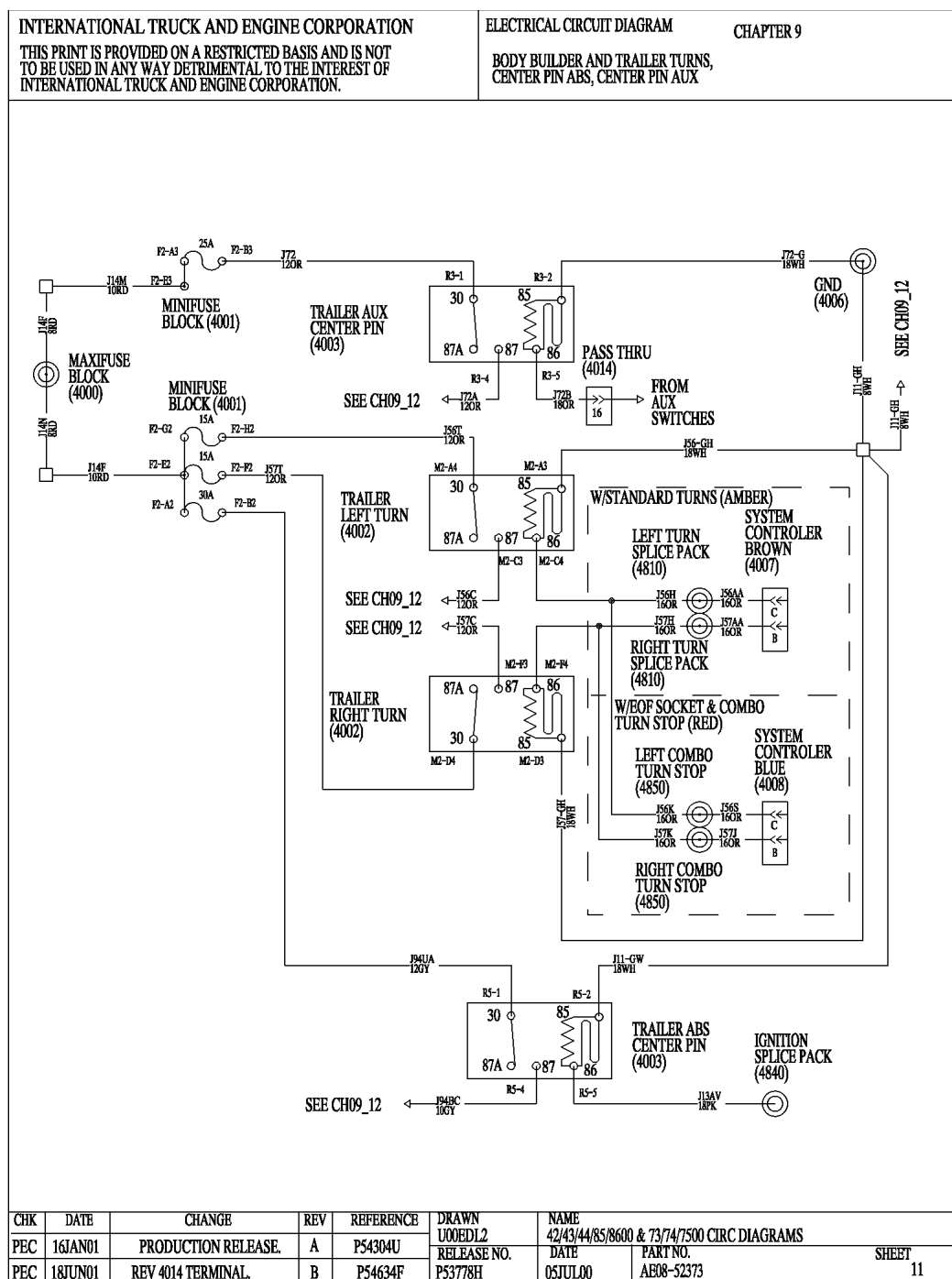


Figure 87 Body Builder and Trailer Turns, Center Pin ABS, Center Pin Aux

9.12. BODY BUILDER AND TRAILER SOCKET BACK OF CAB SOCKETS, P. 12

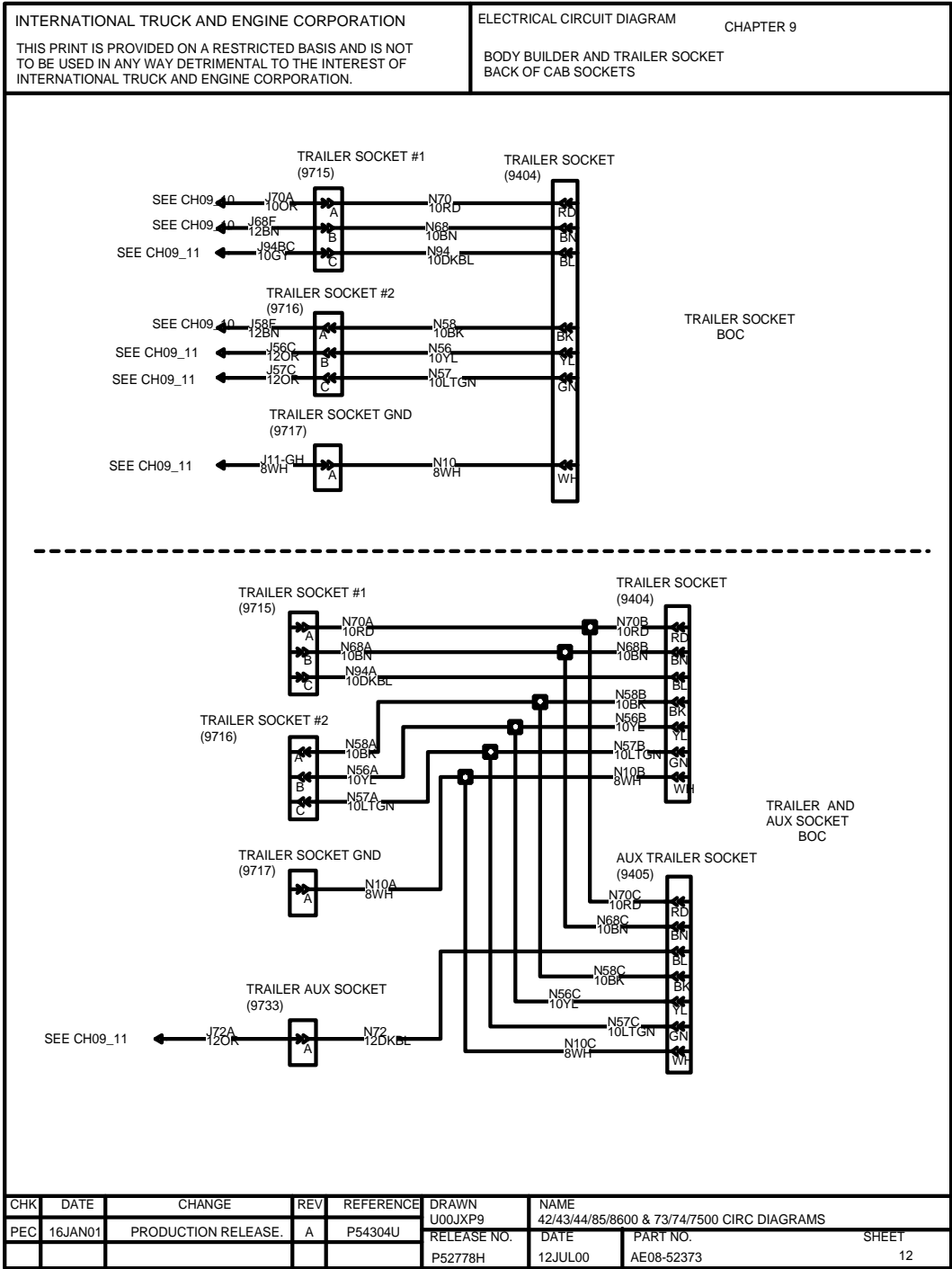


Figure 88 Body Builder and Trailer Socket Back of Cab Sockets

9.13. BODY BUILDER AND TRAILER SOCKET END OF FRAME (EOF) SOCKET AND BODY BUILDER, P. 13

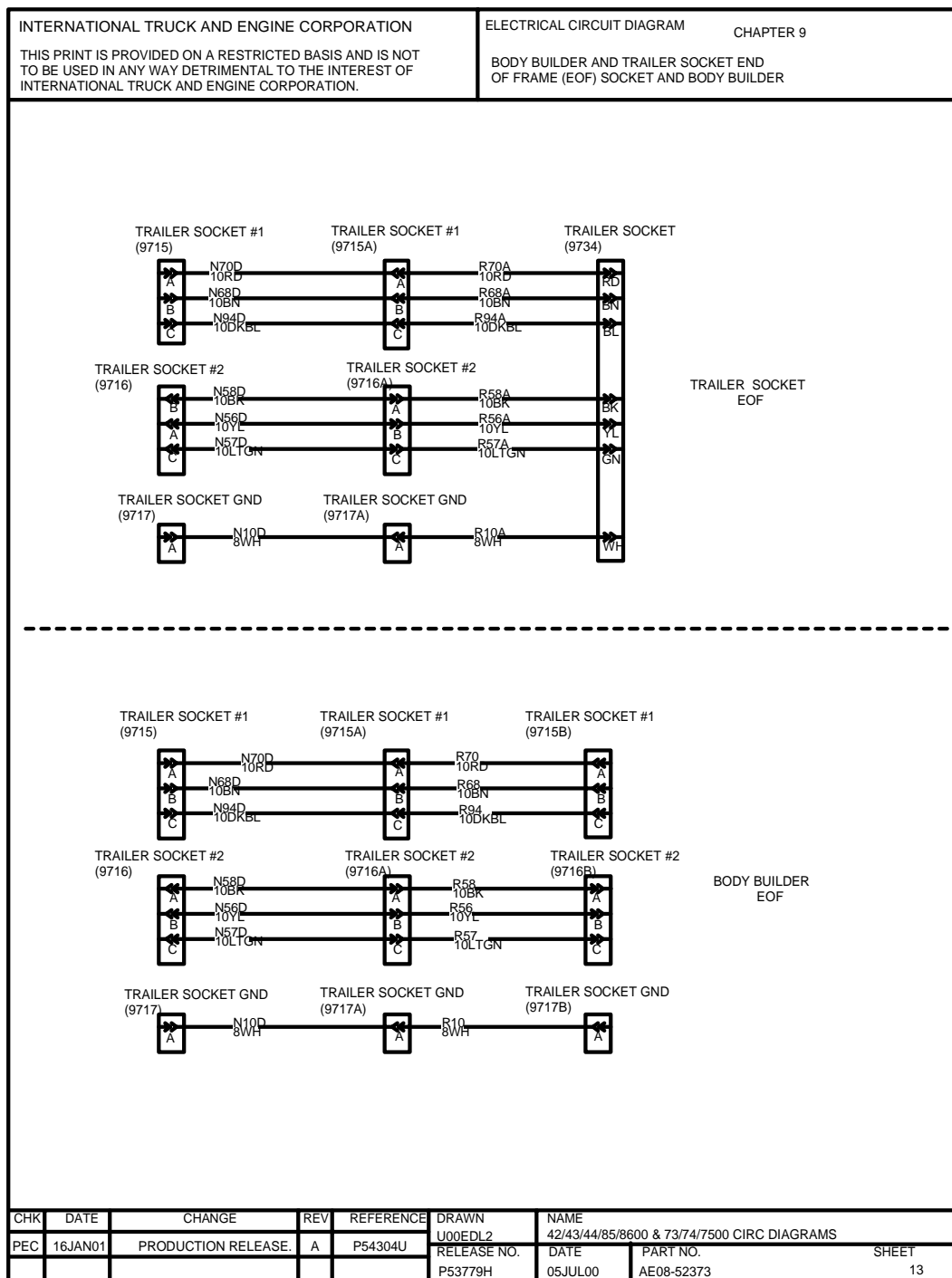


Figure 89 Body Builder and Trailer Socket End of Frame (EOF) Socket and Body Builder

9.14. AIR SOLENOID 4-WAY PACK, P. 14

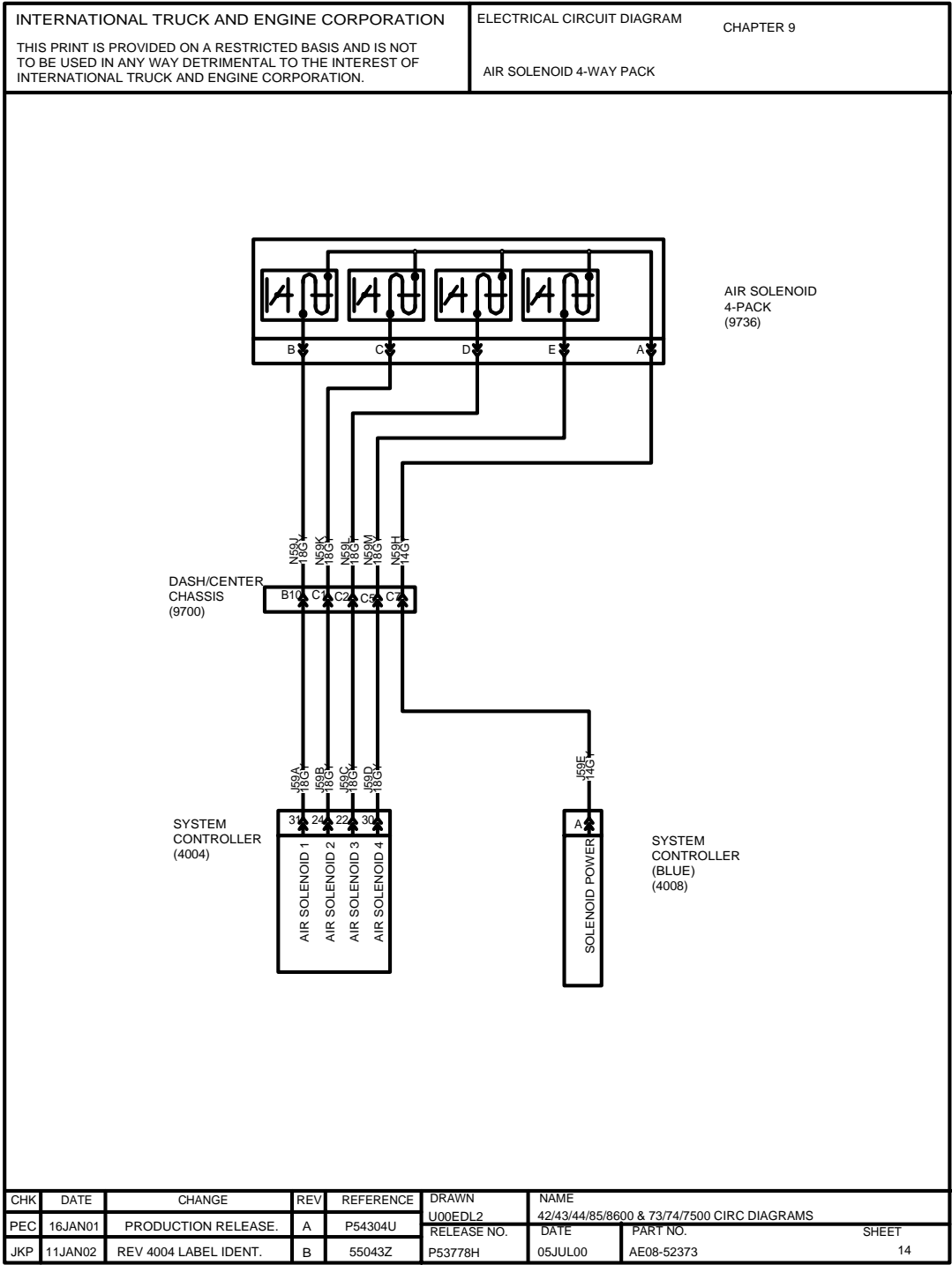


Figure 90 Air Solenoid 4-Way Pack

9.15. REMOTE POWER UNITS, SOLENOID PACKS, REMOTE ENGINE SPEED CONTROLLER, P. 15

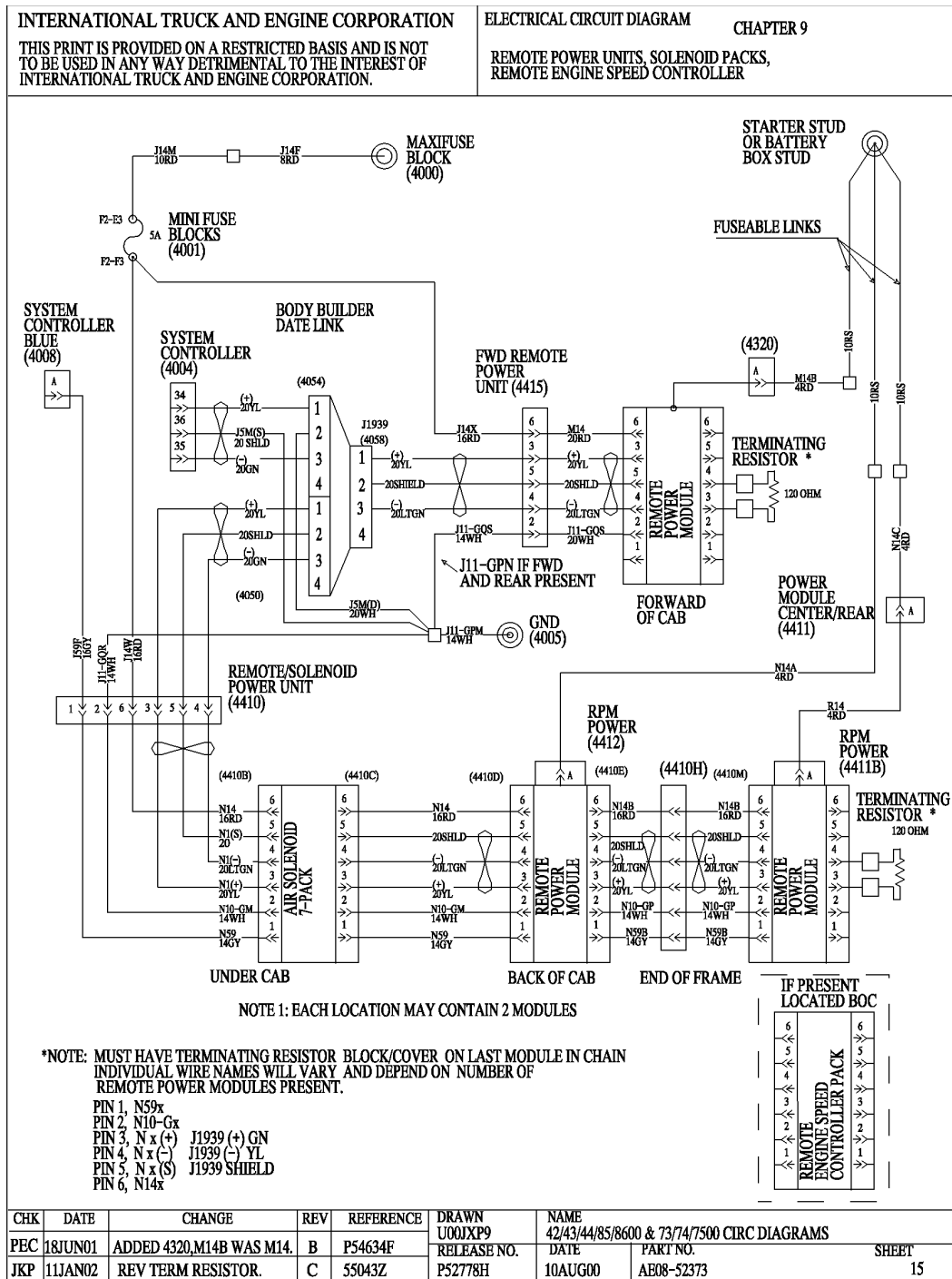


Figure 91 Remote Power Units, Solenoid Packs, Remote Engine Speed Controller

9.16. HYD POWER PARK, P. 16

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM			CHAPTER 9			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					CHASSIS ACCESSORIES - HYD POWER PARK						
DIAGRAM NOT AVAILABLE											
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME					
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS					
					RELEASE NO.	DATE	PART NO.	SHEET			
					P52778H	10JUL00	AE08-52373	16			

Figure 92 HYD Power Park

9.17. AIR SUSPENSION, P. 17

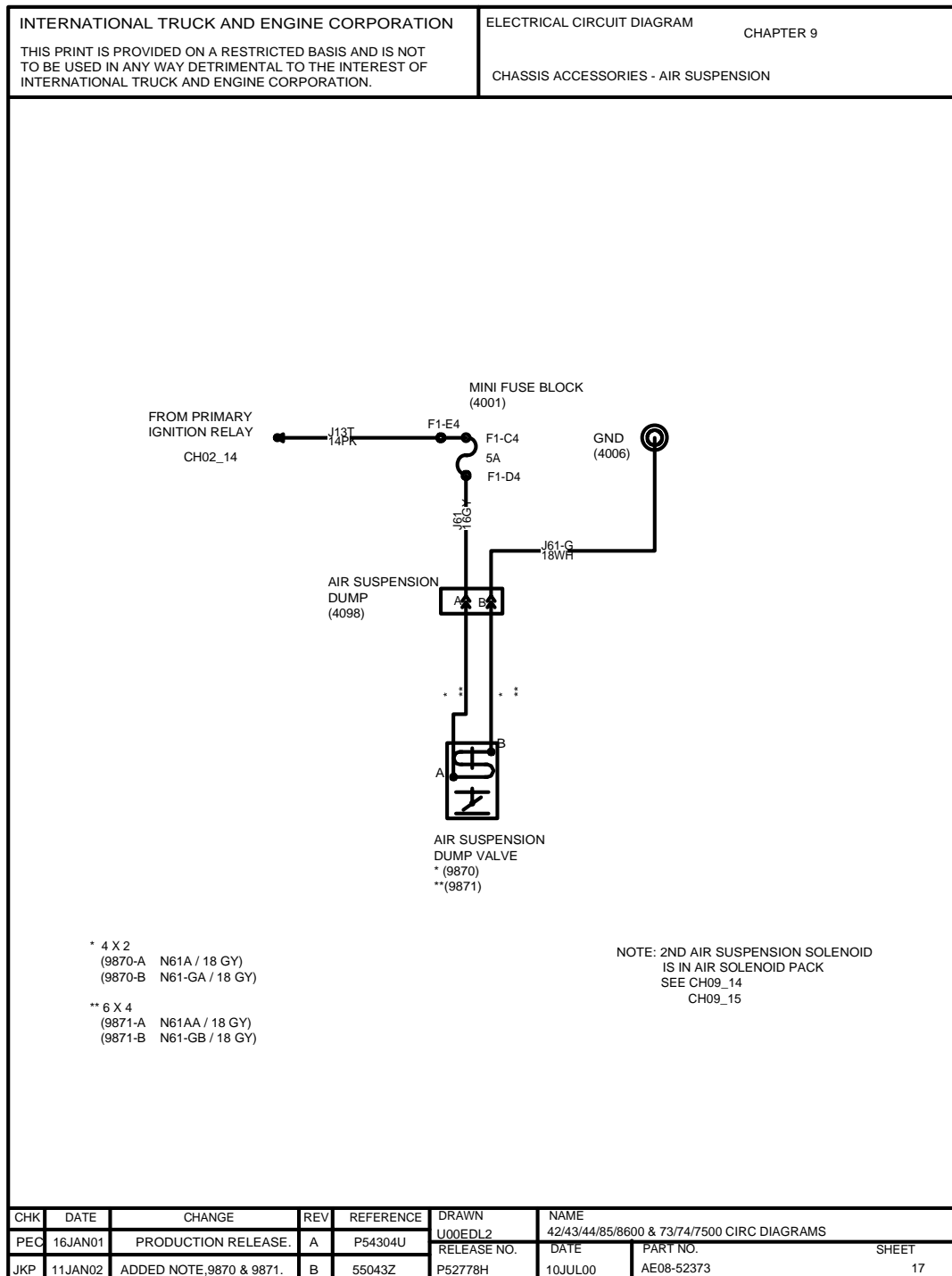


Figure 93 Air Suspension

9.18. AUX. TRAILER, ACC CONTROLLED, P. 18

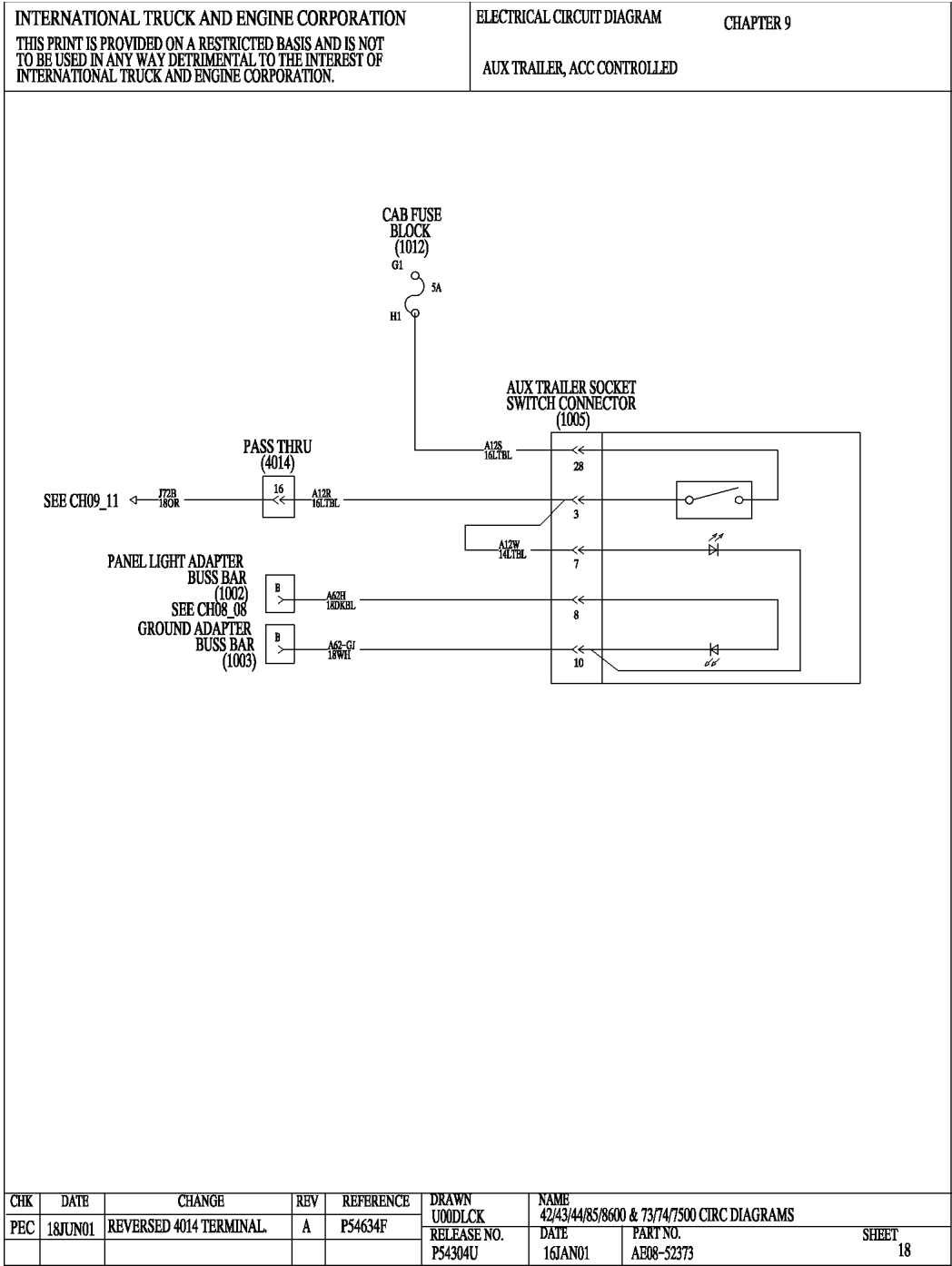


Figure 94 Aux. Trailer, Acc Controlled

[illegible]

Figure 95 Aux. Trailer, Btry Controlled

9.20. LIFT AXLES (NON-STEERABLE), P. 20

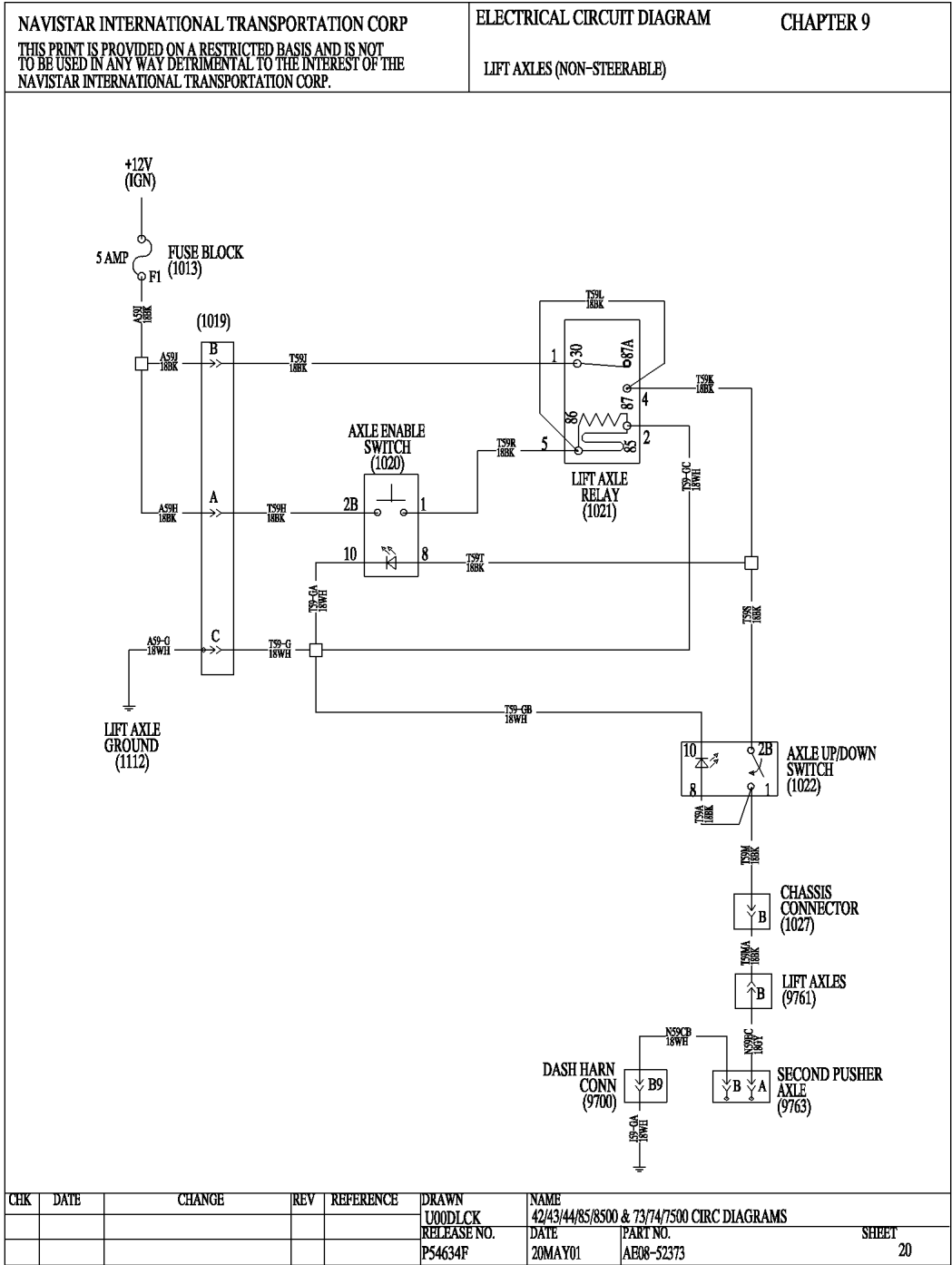


Figure 96 Lift Axles (Non-Steerable)

9.21. LIFT AXLES (STEERABLE), P. 21

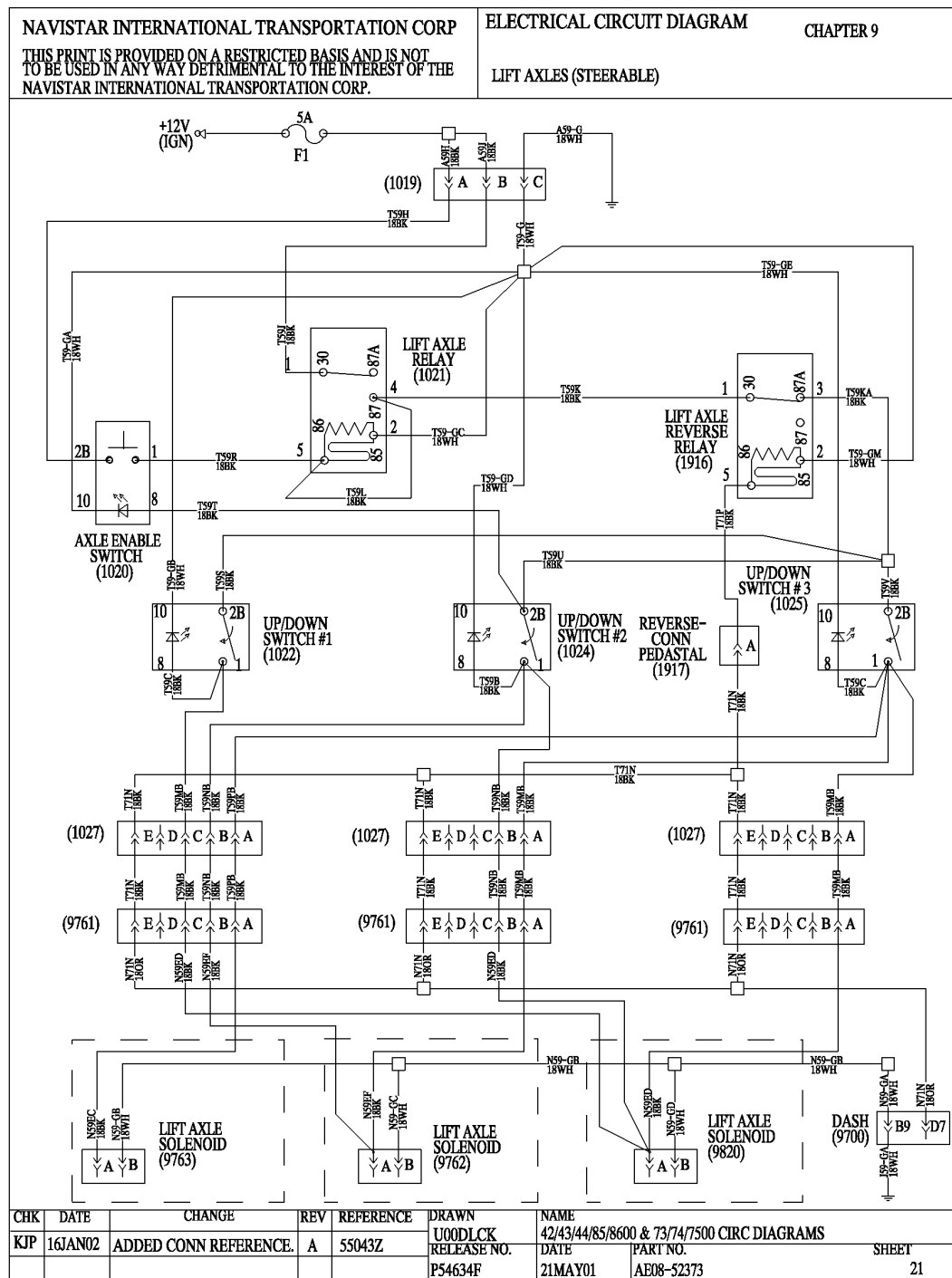


Figure 97 Lift Axles (Non-Steerable)

9.22. AIR ACTUATED PARK BRAKE, P. 22

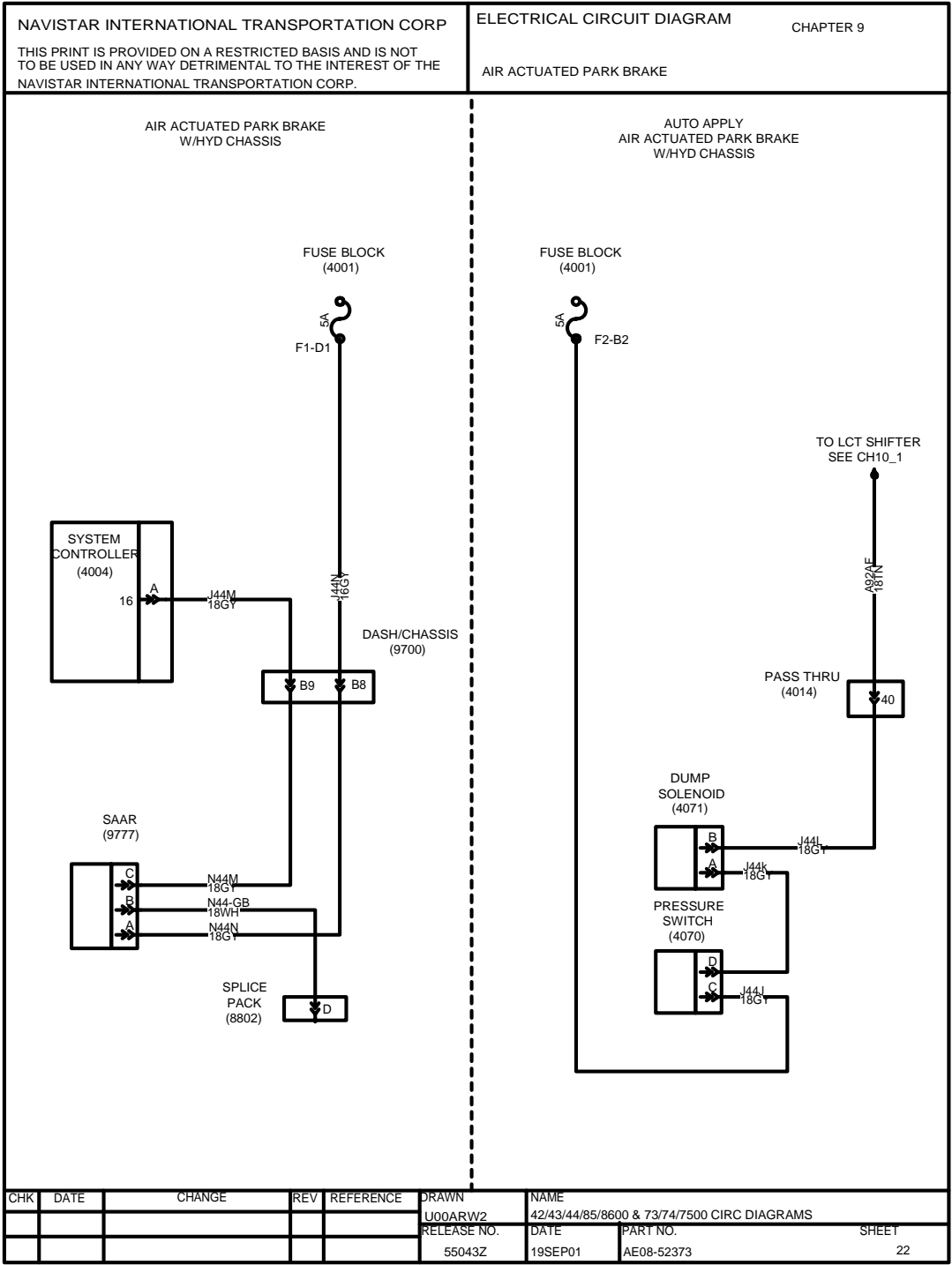


Figure 98 Air Actuated Park Brake

[illegible]

Figure 99 Antilock Brake System, WABCO Air

INTERNATIONAL TRUCK AND ENGINE CORPORATION

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 9

ANTILOCK BRAKE SYSTEM (ABS), WABCO AIR

RIGHT FRONT WHEEL SPEED SENSOR

(8507)

LEFT FRONT WHEEL SPEED SENSOR

(8506)

LEFT REAR WHEEL SPEED SENSOR

(9516)

RIGHT REAR WHEEL SPEED SENSOR

(9517)

RIGHT FRONT MODULATOR VALVE

(8509)

LEFT FRONT MODULATOR VALVE

(8508)

RIGHT REAR MODULATOR VALVE

(9519)

LEFT REAR MODULATOR VALVE

(9518)

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					U00VTT1	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					55043Z	19DEC01
						PART NO.
						AB08-52373

SHEET

24

Figure 100 Antilock Brake System, WABCO Air

9.25. LIFT AXLES, WITH MULTIPLES FOR SS MODELS, P. 25

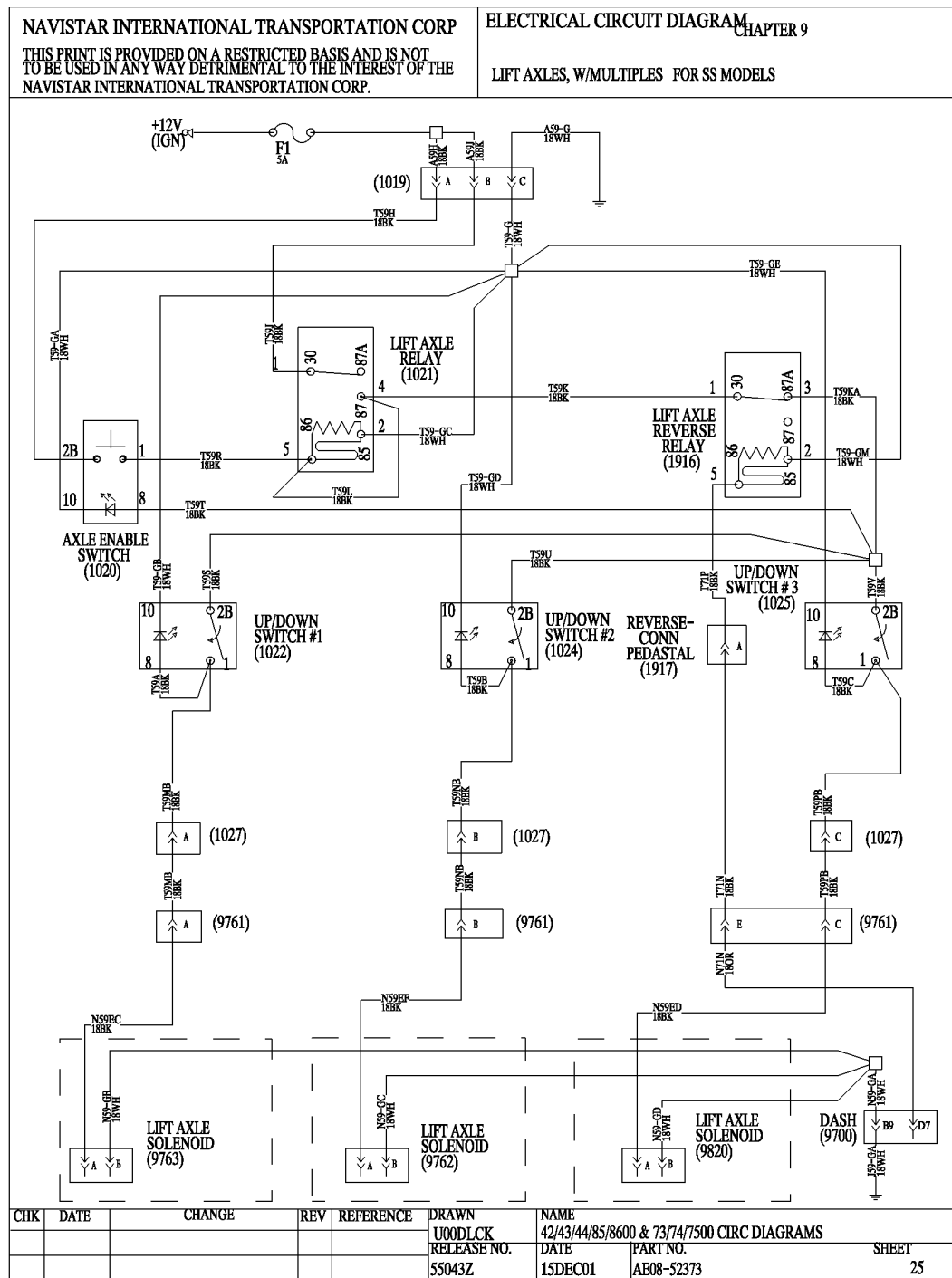


Figure 101 Lift Axles, With Multiples for SS Models

9.26. FUEL / WATER SEPARATOR WITH 12VDC FUEL PREHEATER, P. 26

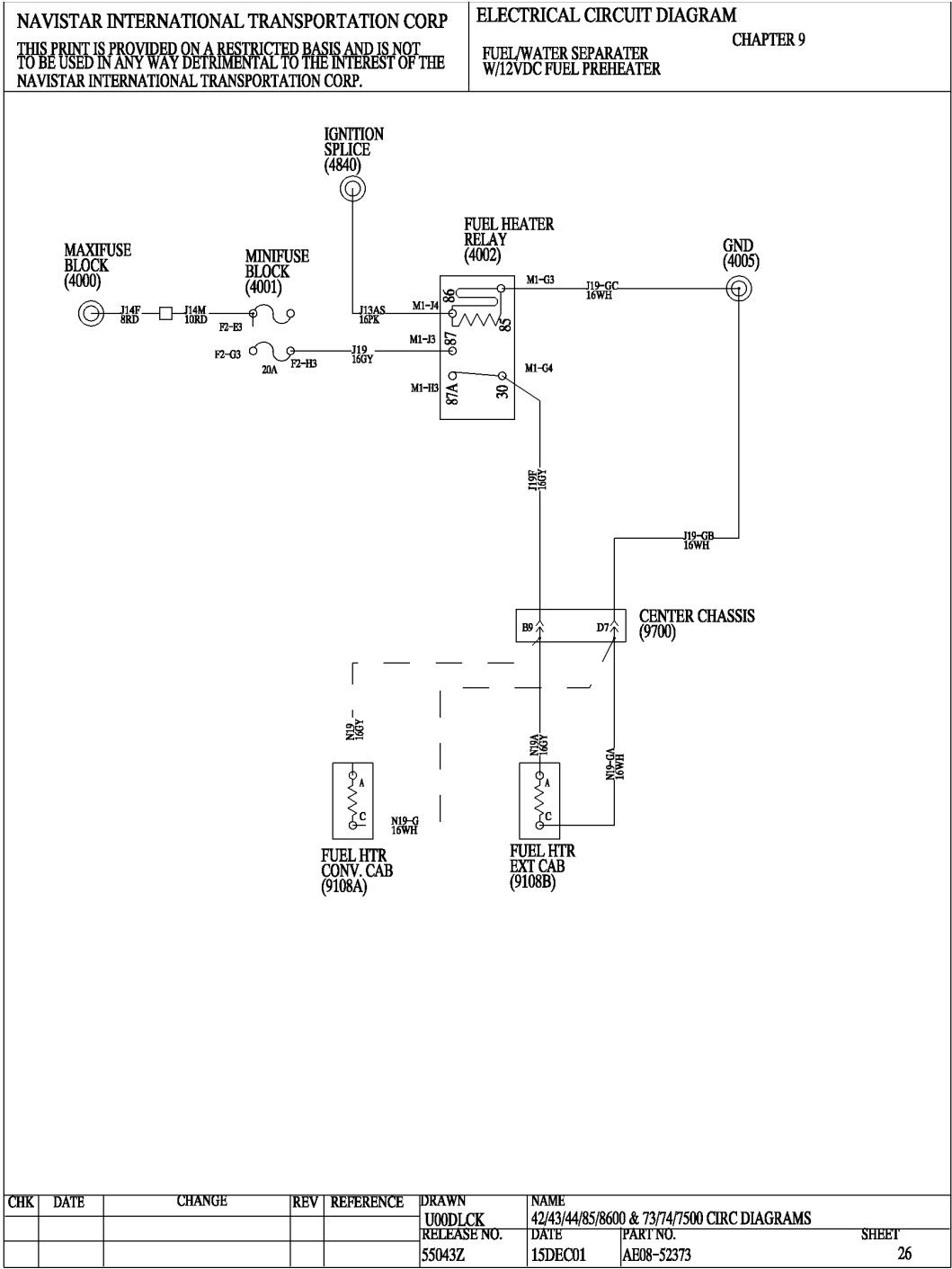


Figure 102 Fuel / Water Separator With 12VDC Fuel Preheater

10.1. ALLISON LCT TRANSMISSION, P. 1

Figure 103 Allison LCT Transmission

10.2. ALLISON MD TRANSMISSION, P. 2

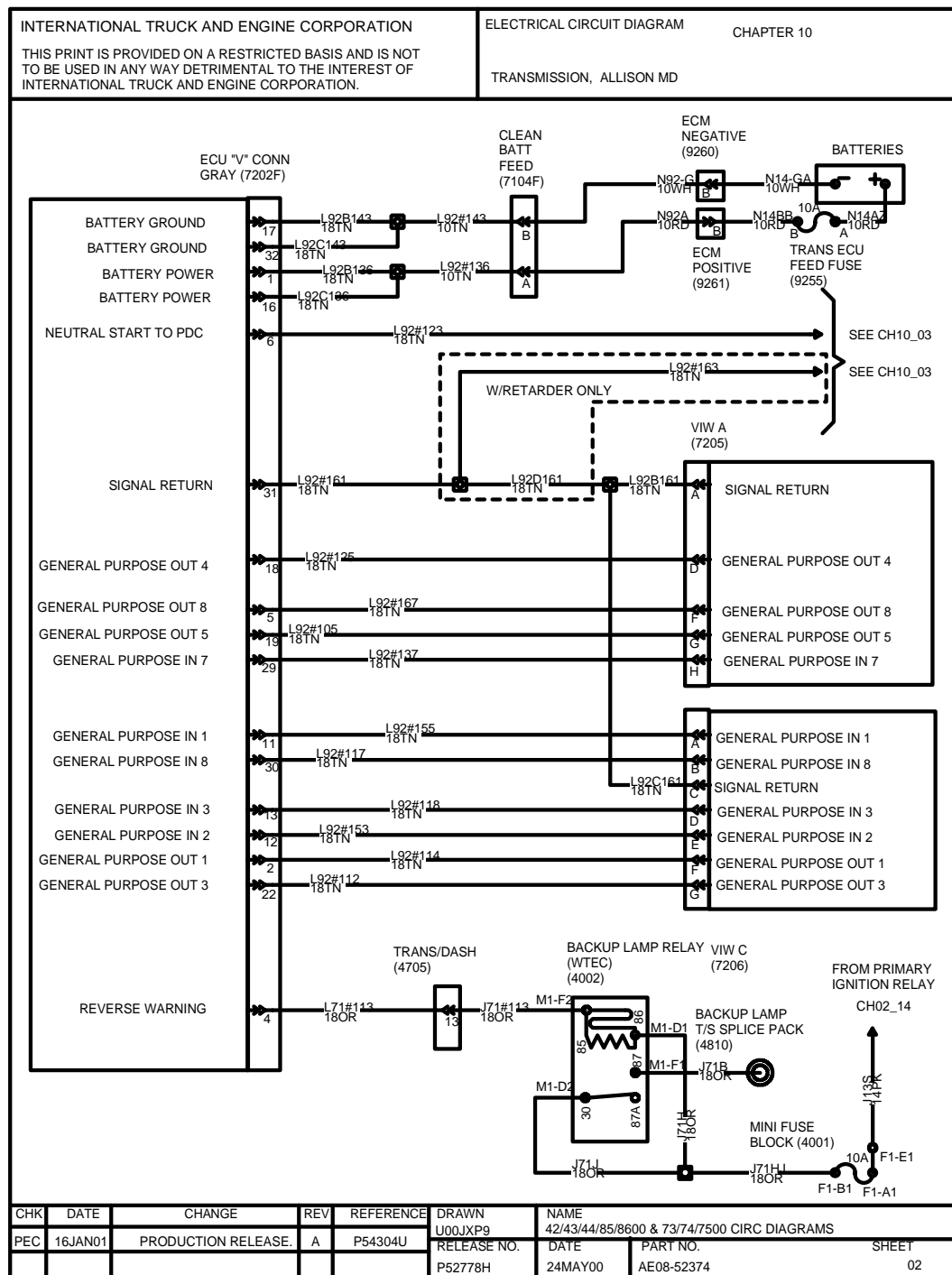


Figure 104 Allison MD Transmission

10.3. ALLISON MD TRANSMISSION (CONT.), P. 3

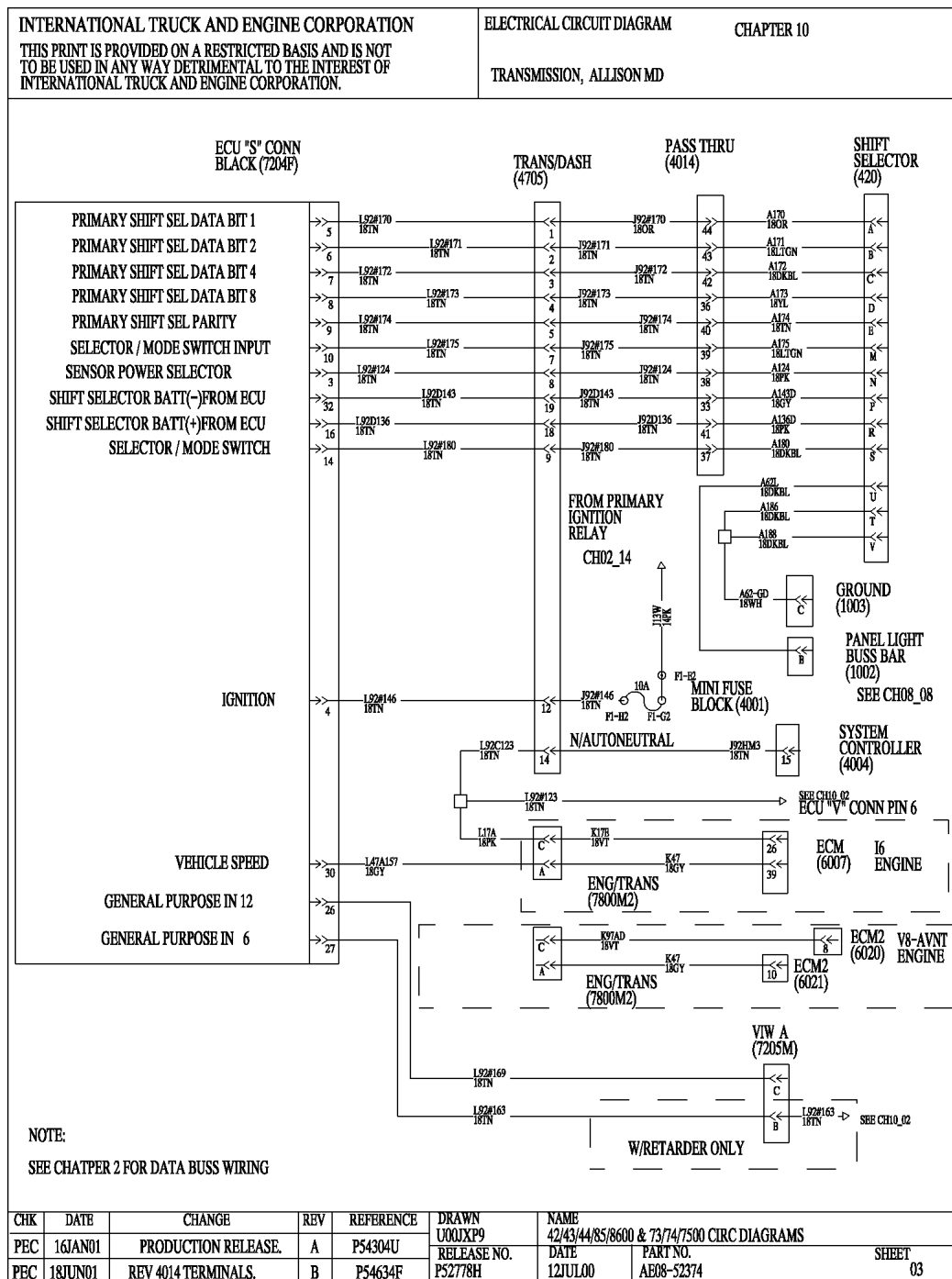


Figure 105 Allison MD Transmission (Cont.)

10.4. ALLISON MD TRANSMISSION (CONT.), P. 4

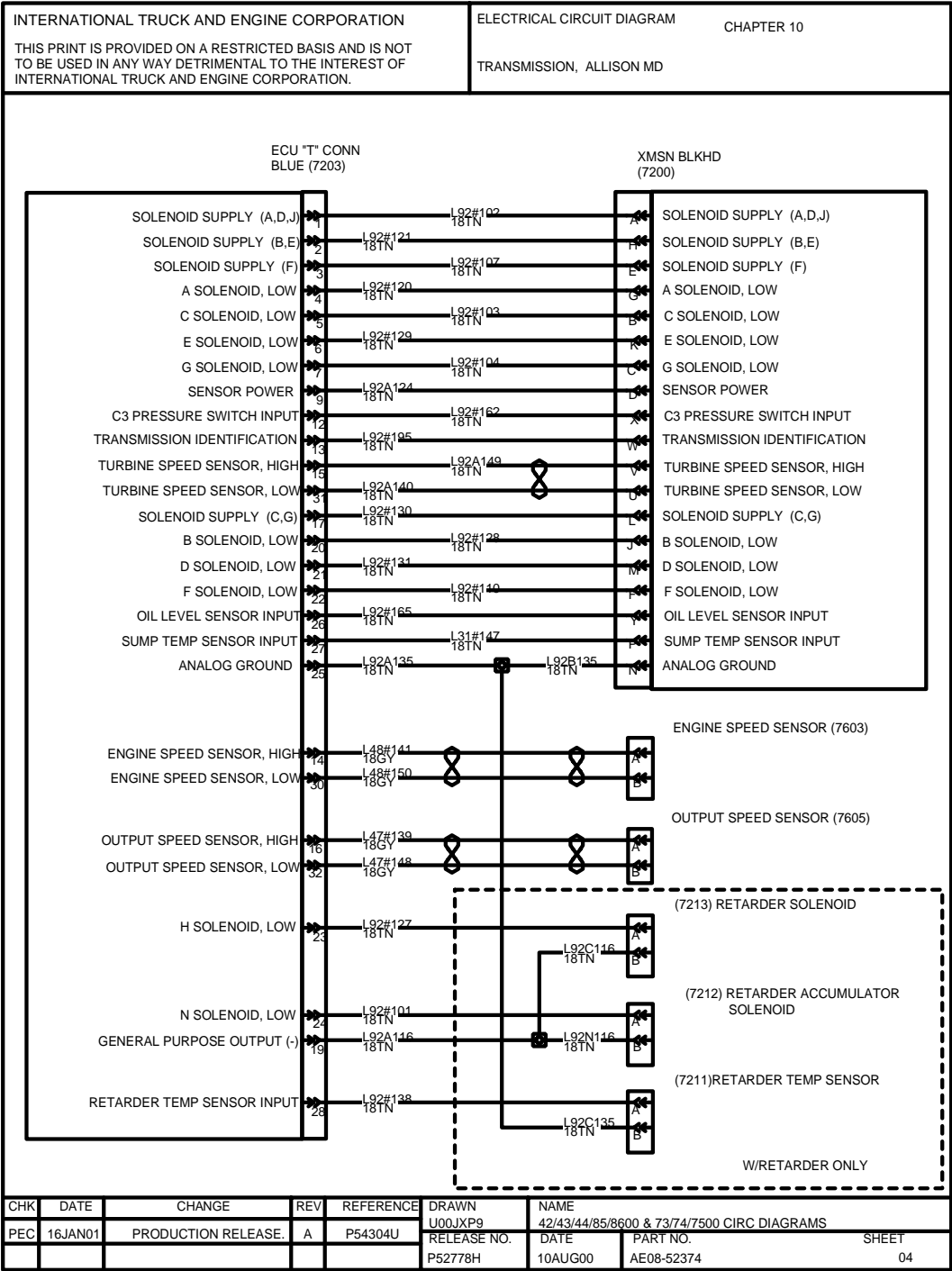


Figure 106 Allison MD Transmission (Cont.)

10.5. TRANSMISSION, WTEC MD W/AUTO NEUTRAL, P. 5

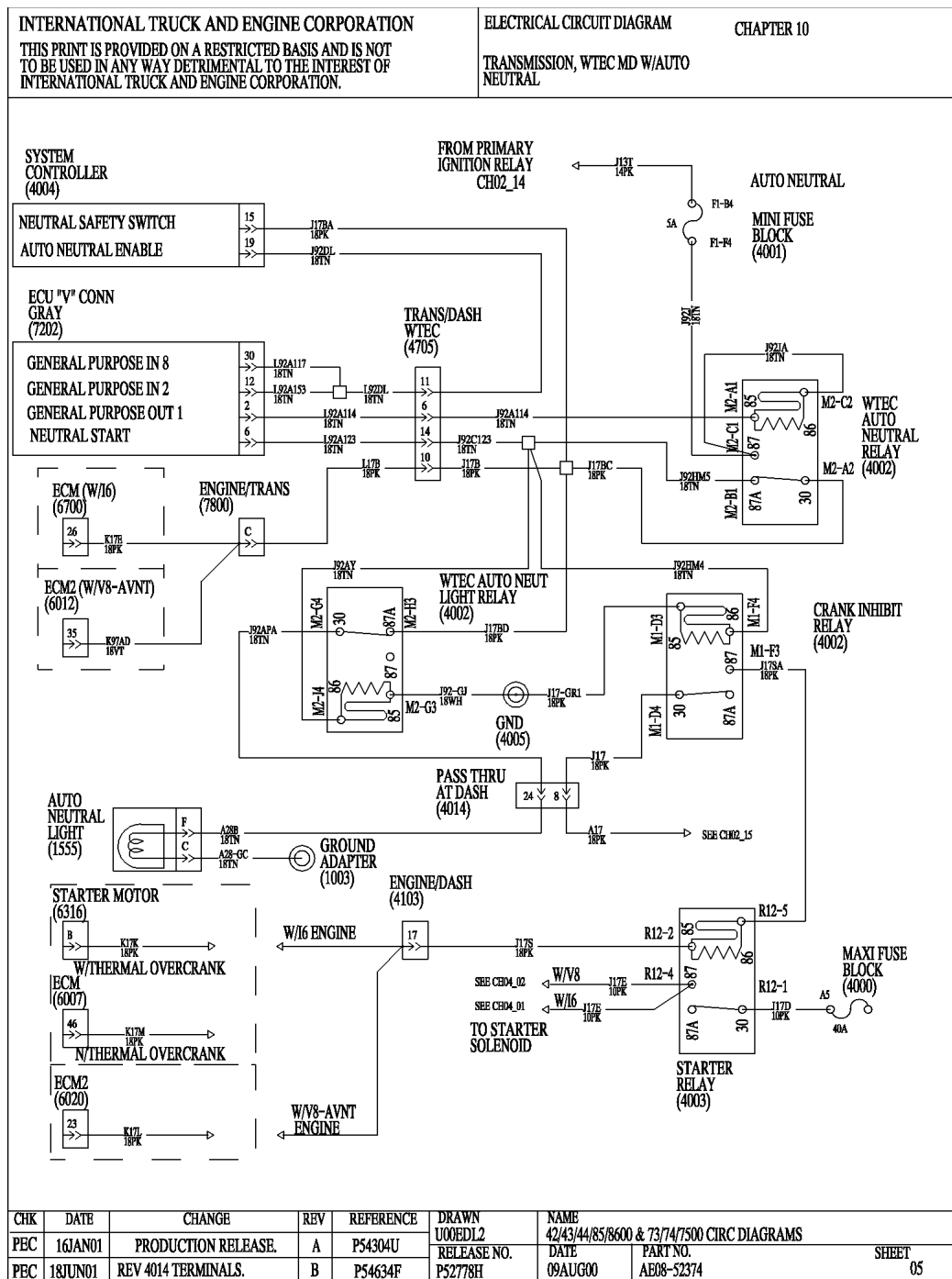


Figure 107 Transmission, WTEC MD W/Auto Neutral

10.6. EATON AUTOSHIFT TRANSMISSION, P. 6

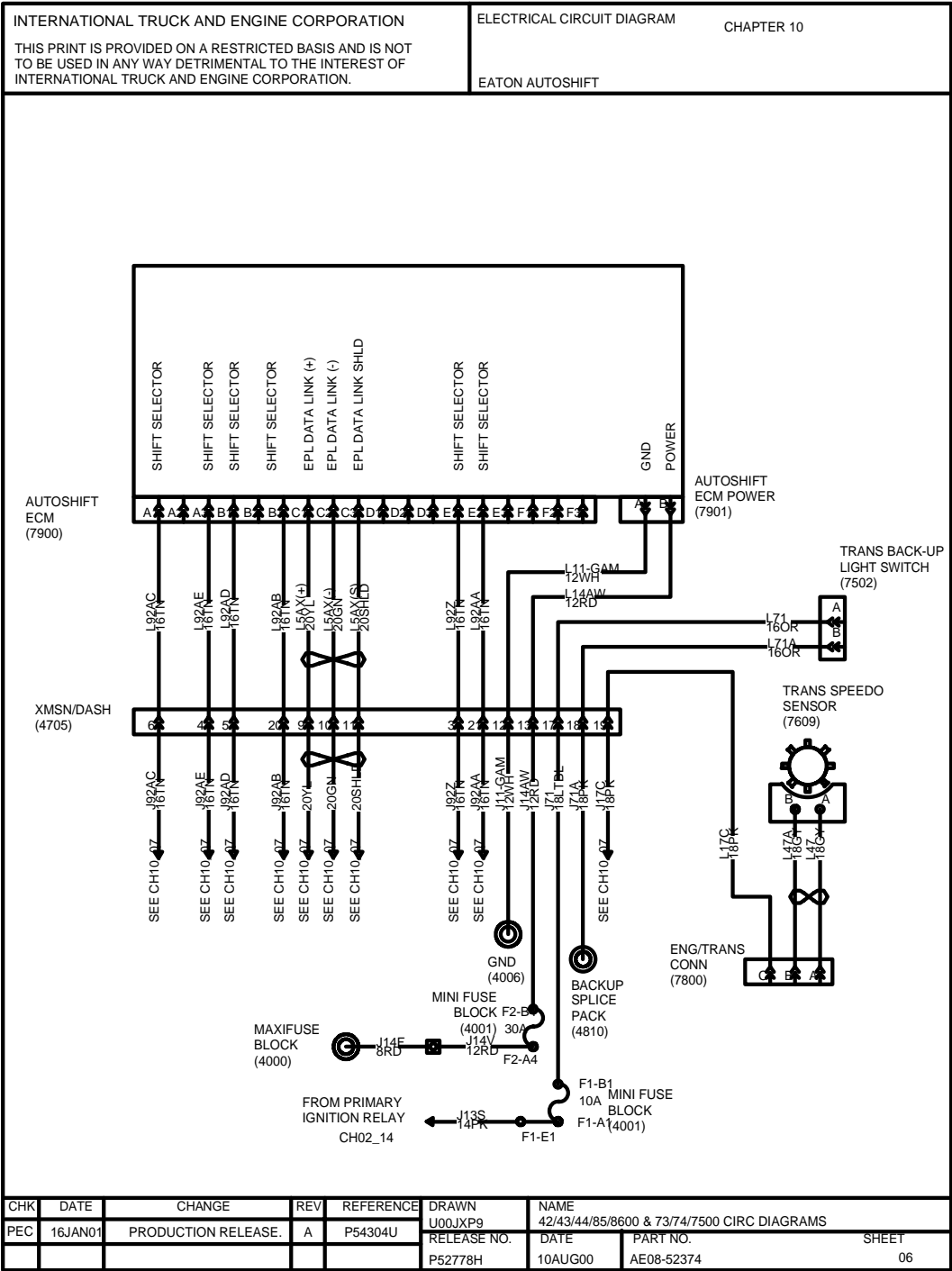


Figure 108 Eaton Autoshift Transmission

10.7. EATON AUTOSHIFT TRANSMISSION (CONT.), P. 7

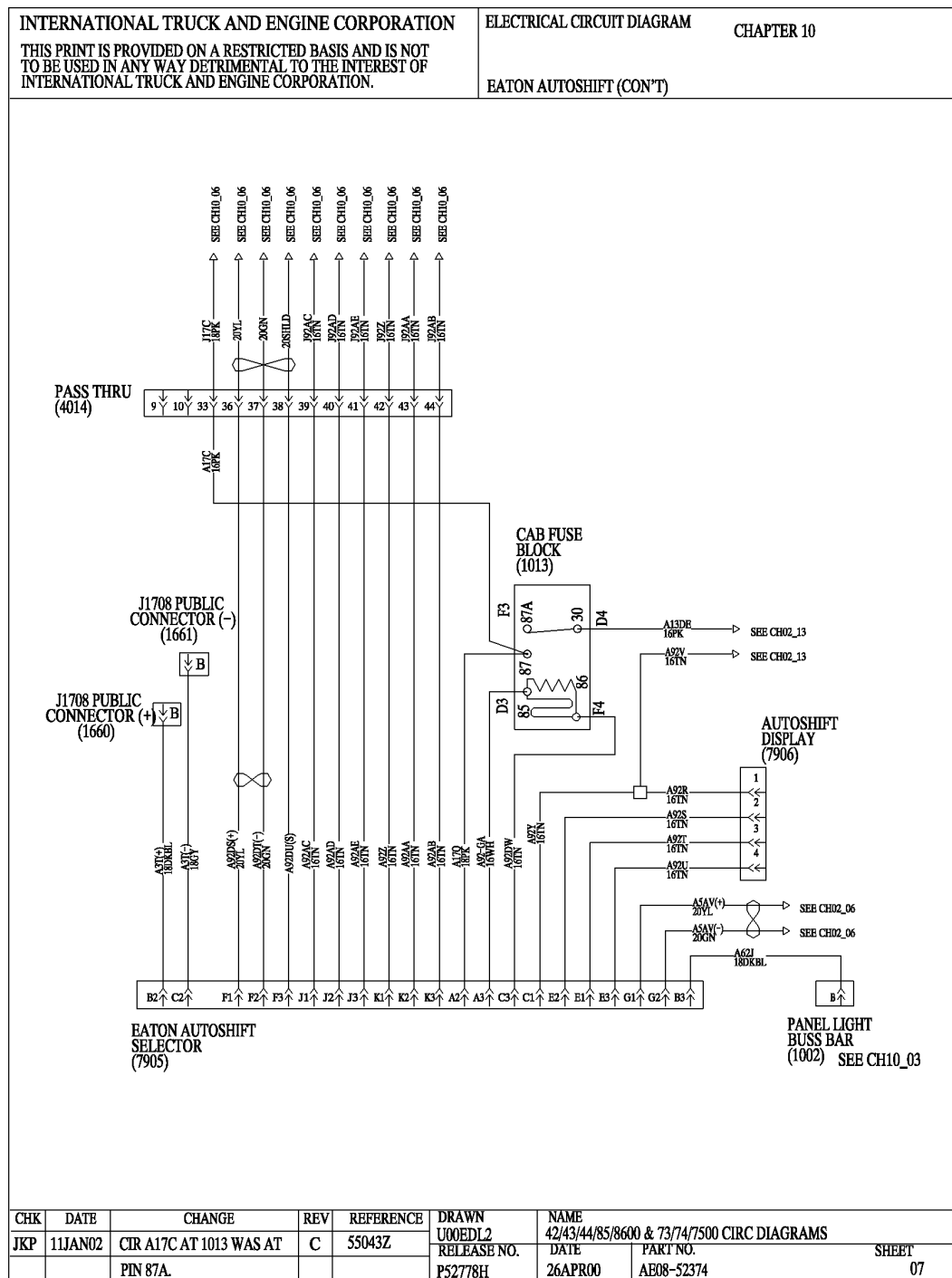


Figure 109 Eaton Autoshift Transmission (Cont.)

10.8. EATON LIGHTNING TRANSMISSION, P. 8

Figure 110 Eaton Autoshift Transmission (Cont.)

11.1. HVAC SYSTEMS, P. 1

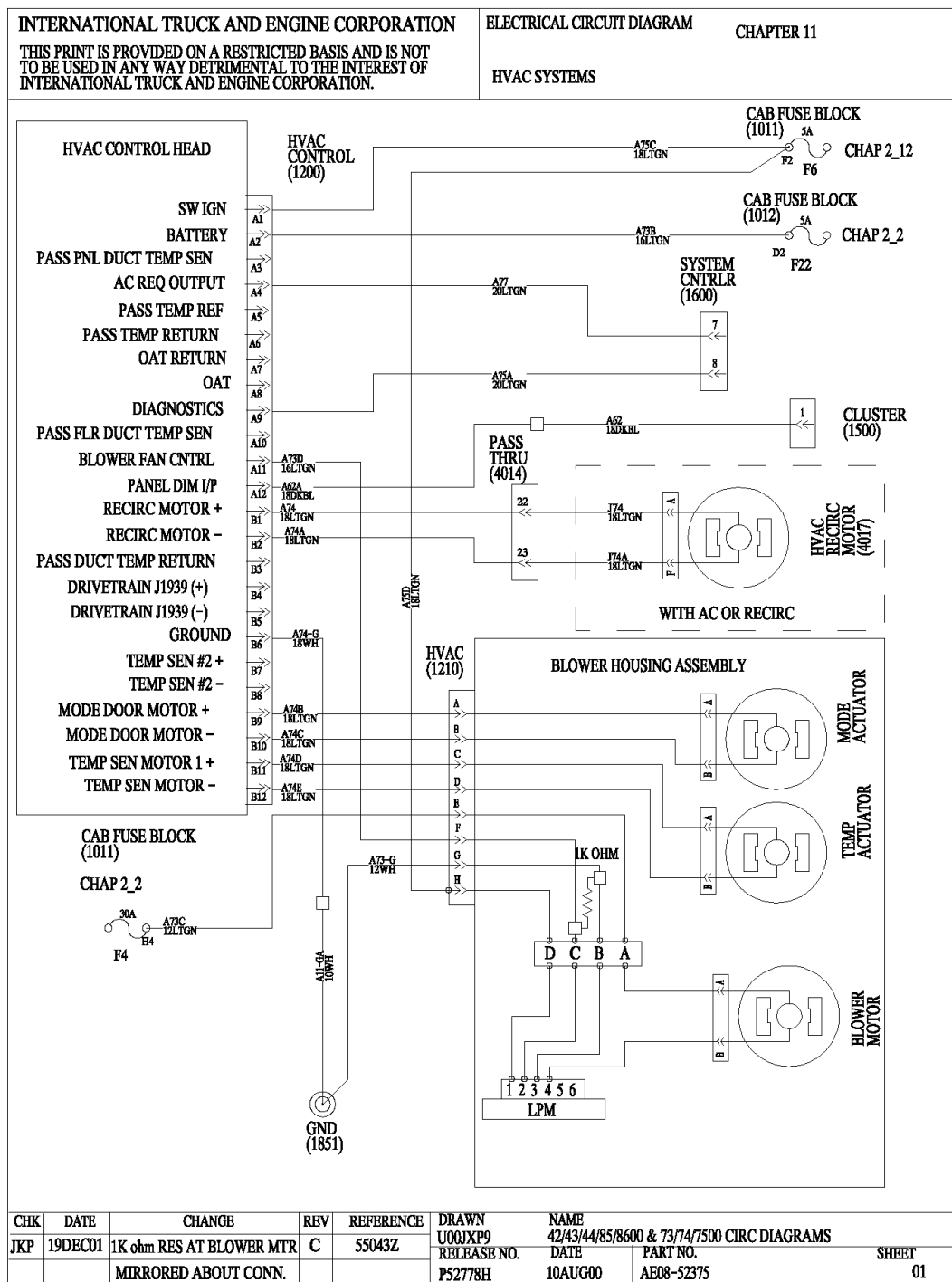


Figure 111 HVAC Systems

11.2. AIR CONDITIONING (ONLY), P. 2

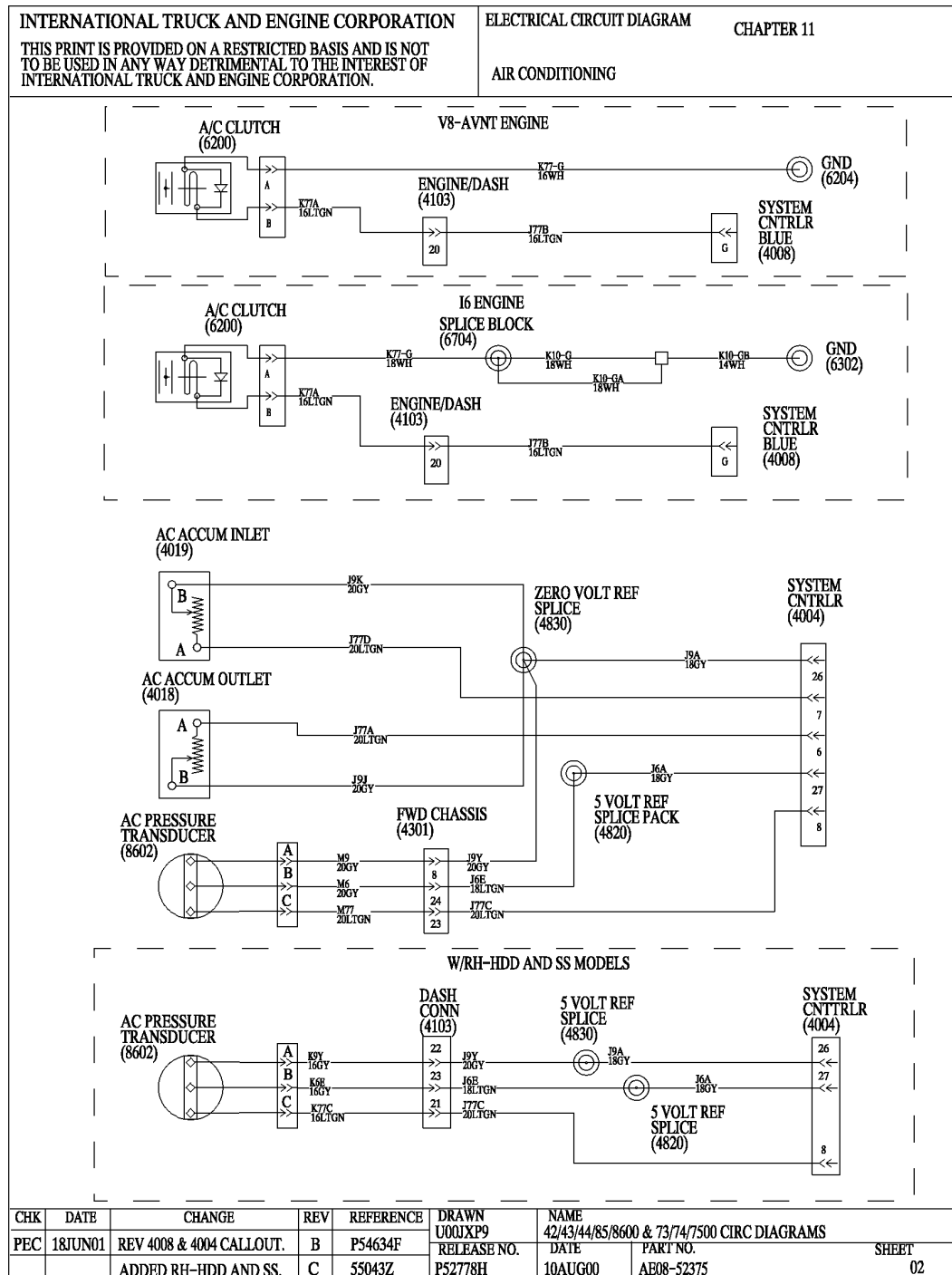


Figure 112 Air Conditioning (Only)

12. CONNECTOR COMPOSITES (CHAPTER 12)

12.1. CONNECTOR COMPOSITES (10), (71), (72), (345), P. 1



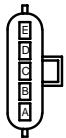
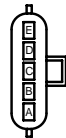

INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																															
AUXILIARY POWER (10) (LOCATED IN INSTRUMENT PANEL)																																																																																																																			
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>CONNECTOR - 1661197C1</p> <p align="center">CIGAR LIGHTER TYPE</p>  <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A86M</td> <td>14</td> <td>LT GN</td> <td>3534167C1</td> </tr> <tr> <td>B</td> <td>A86-GA</td> <td>14</td> <td>WH</td> <td>3534167C1</td> </tr> </tbody> </table> <p align="center">TWO POST TYPE</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A86N</td> <td>14</td> <td>LT GN</td> <td>3534167C1</td> </tr> <tr> <td>B</td> <td>A86-GB</td> <td>14</td> <td>WH</td> <td>3534167C1</td> </tr> </tbody> </table> </div> <div style="width: 45%;"> <p>CONNECTOR - 1661196C1</p>  <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A86M</td> <td>14</td> <td>LT GN</td> <td>1661209C1</td> </tr> <tr> <td>B</td> <td>A86-GA</td> <td>14</td> <td>WH</td> <td>1661209C1</td> </tr> </tbody> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERM	A	A86M	14	LT GN	3534167C1	B	A86-GA	14	WH	3534167C1	CAV	CIR	GAUGE	COLOR	TERM	A	A86N	14	LT GN	3534167C1	B	A86-GB	14	WH	3534167C1	CAV	CIR	GAUGE	COLOR	TERM	A	A86M	14	LT GN	1661209C1	B	A86-GA	14	WH	1661209C1																																																															
CAV	CIR	GAUGE	COLOR	TERM																																																																																																															
A	A86M	14	LT GN	3534167C1																																																																																																															
B	A86-GA	14	WH	3534167C1																																																																																																															
CAV	CIR	GAUGE	COLOR	TERM																																																																																																															
A	A86N	14	LT GN	3534167C1																																																																																																															
B	A86-GB	14	WH	3534167C1																																																																																																															
CAV	CIR	GAUGE	COLOR	TERM																																																																																																															
A	A86M	14	LT GN	1661209C1																																																																																																															
B	A86-GA	14	WH	1661209C1																																																																																																															
LEFT TAIL LIGHT (71) (LOCATED AT TAIL LIGHTS)				RIGHT TAIL LIGHT (72) (LOCATED AT TAIL LIGHTS)																																																																																																															
 <p>CONNECTOR - 1661375C2 BODY LOCK - 1661376C1 PLUG - 0587579C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>S71C</td> <td>14</td> <td>LT BL</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>B</td> <td>S68C</td> <td>14</td> <td>BN</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>C</td> <td>S57B</td> <td>14</td> <td>LT GN</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>D</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>E</td> <td>S10-GC</td> <td>14</td> <td>WH</td> <td>2033816C1</td> <td>0589391C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	S71C	14	LT BL	2033816C1	0589391C1	B	S68C	14	BN	2033816C1	0589391C1	C	S57B	14	LT GN	2033816C1	0589391C1	D	PLUG	-	-	-	-	E	S10-GC	14	WH	2033816C1	0589391C1	 <p>CONNECTOR - 1661375C2 BODY LOCK - 1661376C1 PLUG - 0587579C1</p> <p align="center">STOP & TAIL LIGHT TO LIGHT</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>S71C</td> <td>14</td> <td>LT BL</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>B</td> <td>S68C</td> <td>14</td> <td>BN</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>C</td> <td>S57B</td> <td>14</td> <td>LT GN</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>D</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>E</td> <td>S10-GC</td> <td>14</td> <td>WH</td> <td>2033816C1</td> <td>0589391C1</td> </tr> </tbody> </table> <p align="center">STOP & TAIL INTERCONNECT 1385 LG W/BACKUP ALARM</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>S71K</td> <td>14</td> <td>LT BL</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>B</td> <td>S68C</td> <td>14</td> <td>BN</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>C</td> <td>S57B</td> <td>14</td> <td>LT GN</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>D</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>E</td> <td>S10-GD</td> <td>14</td> <td>WH</td> <td>2033816C1</td> <td>0589391C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	S71C	14	LT BL	2033816C1	0589391C1	B	S68C	14	BN	2033816C1	0589391C1	C	S57B	14	LT GN	2033816C1	0589391C1	D	PLUG	-	-	-	-	E	S10-GC	14	WH	2033816C1	0589391C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	S71K	14	LT BL	2033816C1	0589391C1	B	S68C	14	BN	2033816C1	0589391C1	C	S57B	14	LT GN	2033816C1	0589391C1	D	PLUG	-	-	-	-	E	S10-GD	14	WH	2033816C1	0589391C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																														
A	S71C	14	LT BL	2033816C1	0589391C1																																																																																																														
B	S68C	14	BN	2033816C1	0589391C1																																																																																																														
C	S57B	14	LT GN	2033816C1	0589391C1																																																																																																														
D	PLUG	-	-	-	-																																																																																																														
E	S10-GC	14	WH	2033816C1	0589391C1																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																														
A	S71C	14	LT BL	2033816C1	0589391C1																																																																																																														
B	S68C	14	BN	2033816C1	0589391C1																																																																																																														
C	S57B	14	LT GN	2033816C1	0589391C1																																																																																																														
D	PLUG	-	-	-	-																																																																																																														
E	S10-GC	14	WH	2033816C1	0589391C1																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																														
A	S71K	14	LT BL	2033816C1	0589391C1																																																																																																														
B	S68C	14	BN	2033816C1	0589391C1																																																																																																														
C	S57B	14	LT GN	2033816C1	0589391C1																																																																																																														
D	PLUG	-	-	-	-																																																																																																														
E	S10-GD	14	WH	2033816C1	0589391C1																																																																																																														
<div style="text-align: center;"> (345) (LOCATED IN CAB) </div> <p>CONNECTOR - 1661259C1 BODY LOCK - 1661263C1</p>  <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>S8A</td> <td>18</td> <td>BN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>S8-GA</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>								CAV	CIR	GAUGE	COLOR	TERM	A	S8A	18	BN	1661261C1	B	S8-GA	18	WH	1661261C1																																																																																													
CAV	CIR	GAUGE	COLOR	TERM																																																																																																															
A	S8A	18	BN	1661261C1																																																																																																															
B	S8-GA	18	WH	1661261C1																																																																																																															
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> <tr> <td>PEC</td> <td>15JAN01</td> <td>PRODUCTION RELEASE.</td> <td>A</td> <td>P54304U</td> <td>U00DAG9</td> <td>42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS</td> </tr> <tr> <td colspan="5"></td> <td>RELEASE NO.</td> <td>DATE</td> </tr> <tr> <td colspan="5"></td> <td>P52778H</td> <td>28JUN00</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>PART NO.</th> <th>SHEET</th> </tr> <tr> <td>AE08-52376</td> <td>01</td> </tr> </table>								CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	PEC	15JAN01	PRODUCTION RELEASE.	A	P54304U	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS						RELEASE NO.	DATE						P52778H	28JUN00	PART NO.	SHEET	AE08-52376	01																																																																												
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																													
PEC	15JAN01	PRODUCTION RELEASE.	A	P54304U	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																													
					RELEASE NO.	DATE																																																																																																													
					P52778H	28JUN00																																																																																																													
PART NO.	SHEET																																																																																																																		
AE08-52376	01																																																																																																																		

Figure 113 Connector Composites (10), (71), (72), (345)

12.2. CONNECTOR COMPOSITES (420A), (420B), (520), (521), (522), (523), (524), P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																													
<p style="text-align: center;">SHIFT SELECTOR (420A) (LOCATED IN INSTRUMENT PANEL)</p> <p>CONNECTOR - 3522536C1 BODY LOCK - 3518287C1 PLUG - 3518314C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>A170</td><td>18</td><td>OR</td><td>3517243C1</td></tr> <tr><td>B</td><td>A171</td><td>18</td><td>LT GN</td><td>3517243C1</td></tr> <tr><td>C</td><td>A172</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> <tr><td>D</td><td>A173</td><td>18</td><td>YL</td><td>3517243C1</td></tr> <tr><td>E</td><td>A174</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>M</td><td>A175</td><td>18</td><td>LT GN</td><td>3517243C1</td></tr> <tr><td>N</td><td>A124</td><td>18</td><td>PK</td><td>3517243C1</td></tr> <tr><td>P</td><td>A143D</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>R</td><td>A136D</td><td>18</td><td>PK</td><td>3517243C1</td></tr> <tr><td>S</td><td>A180</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> <tr><td>T</td><td>A186</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> <tr><td>U</td><td>A62L</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> <tr><td>V</td><td>A188</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERM	A	A170	18	OR	3517243C1	B	A171	18	LT GN	3517243C1	C	A172	18	DK BL	3517243C1	D	A173	18	YL	3517243C1	E	A174	18	TN	3517243C1	M	A175	18	LT GN	3517243C1	N	A124	18	PK	3517243C1	P	A143D	18	GY	3517243C1	R	A136D	18	PK	3517243C1	S	A180	18	DK BL	3517243C1	T	A186	18	DK BL	3517243C1	U	A62L	18	DK BL	3517243C1	V	A188	18	DK BL	3517243C1	<p style="text-align: center;">SHIFTER (420B) (LOCATED IN INSTRUMENT PANEL)</p> <p>CONNECTOR - 3525872C1 BODY LOCK - 3525873C1 PLUG - 2025431C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B</td><td>A62-GC</td><td>18</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>A92VA</td><td>18</td><td>PK</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>D</td><td>128D</td><td>18</td><td>YL</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>E</td><td>A123</td><td>18</td><td>PK</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>F</td><td>A110</td><td>18</td><td>YL</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>G</td><td>A92AF</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>H</td><td>A92AG</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	PLUG	-	-	-	-	B	A62-GC	18	WH	1661875C1	1661872C1	C	A92VA	18	PK	1661875C1	1661872C1	D	128D	18	YL	1661875C1	1661872C1	E	A123	18	PK	1661875C1	1661872C1	F	A110	18	YL	1661875C1	1661872C1	G	A92AF	18	TN	1661875C1	1661872C1	H	A92AG	18	TN	1661875C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																													
A	A170	18	OR	3517243C1																																																																																																																													
B	A171	18	LT GN	3517243C1																																																																																																																													
C	A172	18	DK BL	3517243C1																																																																																																																													
D	A173	18	YL	3517243C1																																																																																																																													
E	A174	18	TN	3517243C1																																																																																																																													
M	A175	18	LT GN	3517243C1																																																																																																																													
N	A124	18	PK	3517243C1																																																																																																																													
P	A143D	18	GY	3517243C1																																																																																																																													
R	A136D	18	PK	3517243C1																																																																																																																													
S	A180	18	DK BL	3517243C1																																																																																																																													
T	A186	18	DK BL	3517243C1																																																																																																																													
U	A62L	18	DK BL	3517243C1																																																																																																																													
V	A188	18	DK BL	3517243C1																																																																																																																													
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																												
A	PLUG	-	-	-	-																																																																																																																												
B	A62-GC	18	WH	1661875C1	1661872C1																																																																																																																												
C	A92VA	18	PK	1661875C1	1661872C1																																																																																																																												
D	128D	18	YL	1661875C1	1661872C1																																																																																																																												
E	A123	18	PK	1661875C1	1661872C1																																																																																																																												
F	A110	18	YL	1661875C1	1661872C1																																																																																																																												
G	A92AF	18	TN	1661875C1	1661872C1																																																																																																																												
H	A92AG	18	TN	1661875C1	1661872C1																																																																																																																												
<p style="text-align: center;">CLEARANCE LIGHT (520) (LOCATED IN ROOF OF CAB)</p> <p>CONNECTOR - 1661259C1 BODY LOCK - 1661263C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>58B</td><td>18</td><td>BN</td><td>1661261C1</td></tr> <tr><td>B</td><td>58-GB</td><td>18</td><td>WH</td><td>1661261C1</td></tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERM	A	58B	18	BN	1661261C1	B	58-GB	18	WH	1661261C1	<p style="text-align: center;">CLEARANCE LIGHT (521) (LOCATED IN ROOF OF CAB)</p> <p>CONNECTOR - 1661259C1 BODY LOCK - 1661263C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>58C</td><td>18</td><td>BN</td><td>1661261C1</td></tr> <tr><td>B</td><td>58-GC</td><td>18</td><td>WH</td><td>1661261C1</td></tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERM	A	58C	18	BN	1661261C1	B	58-GC	18	WH	1661261C1																																																																																														
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																													
A	58B	18	BN	1661261C1																																																																																																																													
B	58-GB	18	WH	1661261C1																																																																																																																													
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																													
A	58C	18	BN	1661261C1																																																																																																																													
B	58-GC	18	WH	1661261C1																																																																																																																													
<p style="text-align: center;">CLEARANCE LIGHT (522) (LOCATED IN ROOF OF CAB)</p> <p>CONNECTOR - 1661259C1 BODY LOCK - 1661263C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>58D</td><td>18</td><td>BN</td><td>1661261C1</td></tr> <tr><td>B</td><td>58-GD</td><td>18</td><td>WH</td><td>1661261C1</td></tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERM	A	58D	18	BN	1661261C1	B	58-GD	18	WH	1661261C1	<p style="text-align: center;">CLEARANCE LIGHT (523) (LOCATED IN ROOF OF CAB)</p> <p>CONNECTOR - 1661259C1 BODY LOCK - 1661263C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>58E</td><td>18</td><td>BN</td><td>1661261C1</td></tr> <tr><td>B</td><td>58-GE</td><td>18</td><td>WH</td><td>1661261C1</td></tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERM	A	58E	18	BN	1661261C1	B	58-GE	18	WH	1661261C1																																																																																														
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																													
A	58D	18	BN	1661261C1																																																																																																																													
B	58-GD	18	WH	1661261C1																																																																																																																													
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																													
A	58E	18	BN	1661261C1																																																																																																																													
B	58-GE	18	WH	1661261C1																																																																																																																													
<p style="text-align: center;">CLEARANCE LIGHT (524) (LOCATED IN ROOF OF CAB)</p> <p>CONNECTOR - 1661259C1 BODY LOCK - 1661263C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>58F</td><td>18</td><td>BN</td><td>1661261C1</td></tr> <tr><td>B</td><td>58-GF</td><td>18</td><td>WH</td><td>1661261C1</td></tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERM	A	58F	18	BN	1661261C1	B	58-GF	18	WH	1661261C1																																																																																																																
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																													
A	58F	18	BN	1661261C1																																																																																																																													
B	58-GF	18	WH	1661261C1																																																																																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">CHK</td> <td style="width: 10%;">DATE</td> <td style="width: 20%;">CHANGE</td> <td style="width: 10%;">REV</td> <td style="width: 10%;">REFERENCE</td> <td style="width: 10%;">DRAWN</td> <td style="width: 10%;">NAME</td> <td style="width: 10%;"></td> </tr> <tr> <td>PEC</td> <td>15JAN01</td> <td>PRODUCTION RELEASE.</td> <td>A</td> <td>P54304U</td> <td>U00DAG9</td> <td>42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS</td> <td></td> </tr> <tr> <td colspan="5"></td> <td>RELEASE NO.</td> <td>DATE</td> <td>PART NO.</td> </tr> <tr> <td colspan="5"></td> <td>P52778H</td> <td>31MAY00</td> <td>AE08-52376</td> </tr> <tr> <td colspan="6"></td> <td>SHEET</td> <td>02</td> </tr> </table>						CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		PEC	15JAN01	PRODUCTION RELEASE.	A	P54304U	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS							RELEASE NO.	DATE	PART NO.						P52778H	31MAY00	AE08-52376							SHEET	02																																																																																				
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																											
PEC	15JAN01	PRODUCTION RELEASE.	A	P54304U	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																																											
					RELEASE NO.	DATE	PART NO.																																																																																																																										
					P52778H	31MAY00	AE08-52376																																																																																																																										
						SHEET	02																																																																																																																										

Figure 114 Connector Composites (420A), (420B), (520), (521), (522), (523), (524)

12.3. CONNECTOR COMPOSITES (1002), (1003), (1010), P. 3

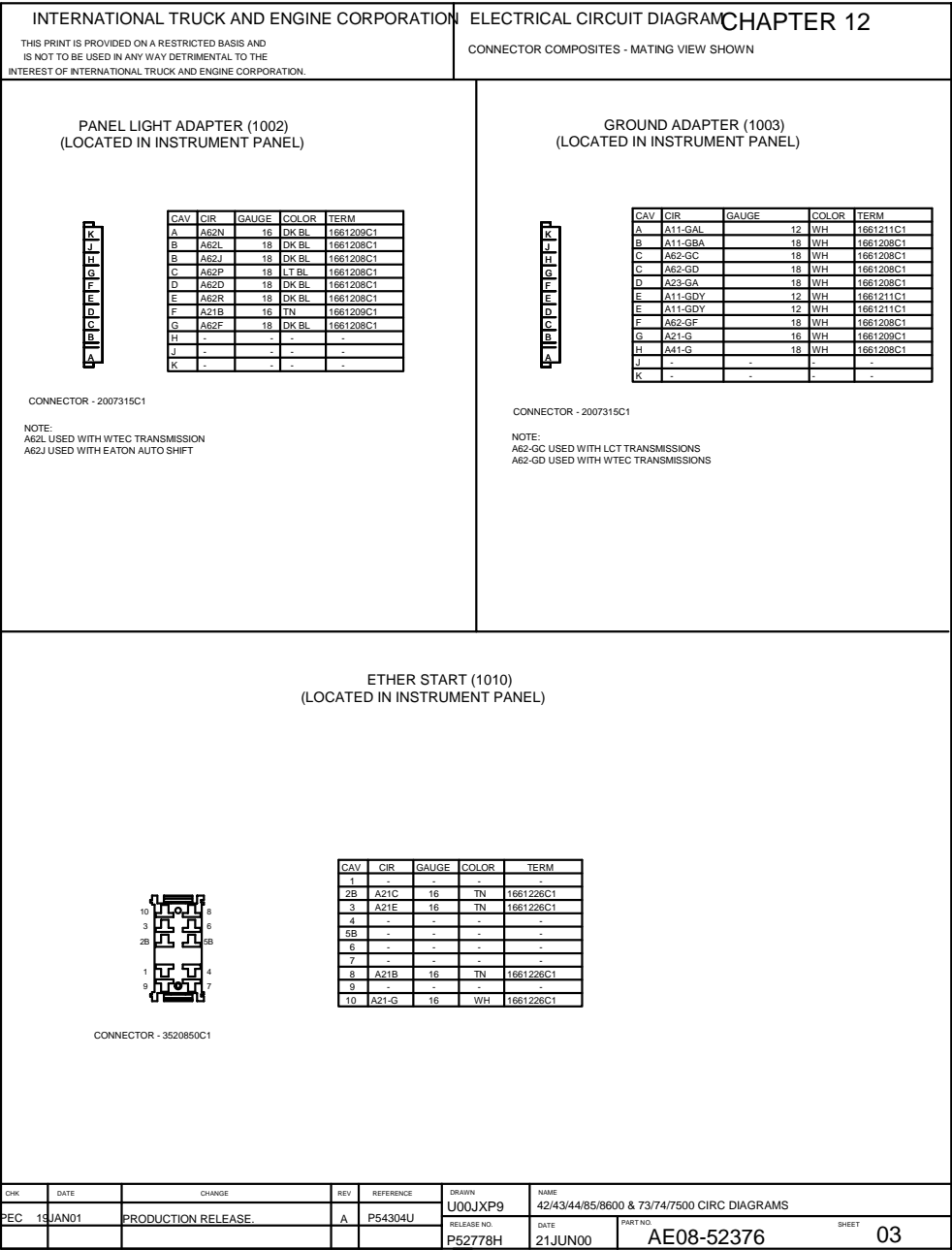


Figure 115 Connector Composites (1002), (1003), (1010)

12.4. CONNECTOR COMPOSITE (1011), P. 4

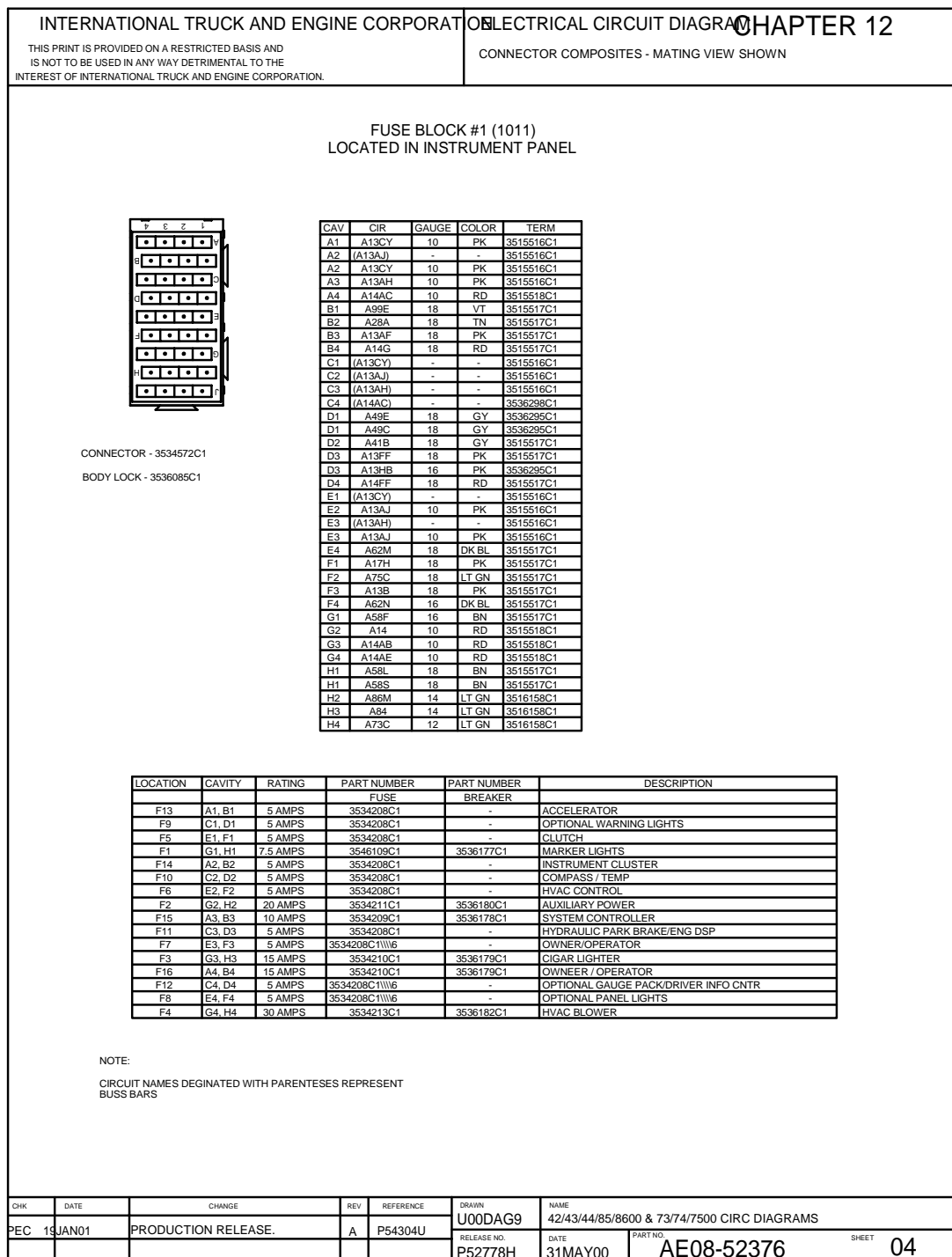


Figure 116 Connector Composite (1011)

12.5. CONNECTOR COMPOSITE (1012), P. 5

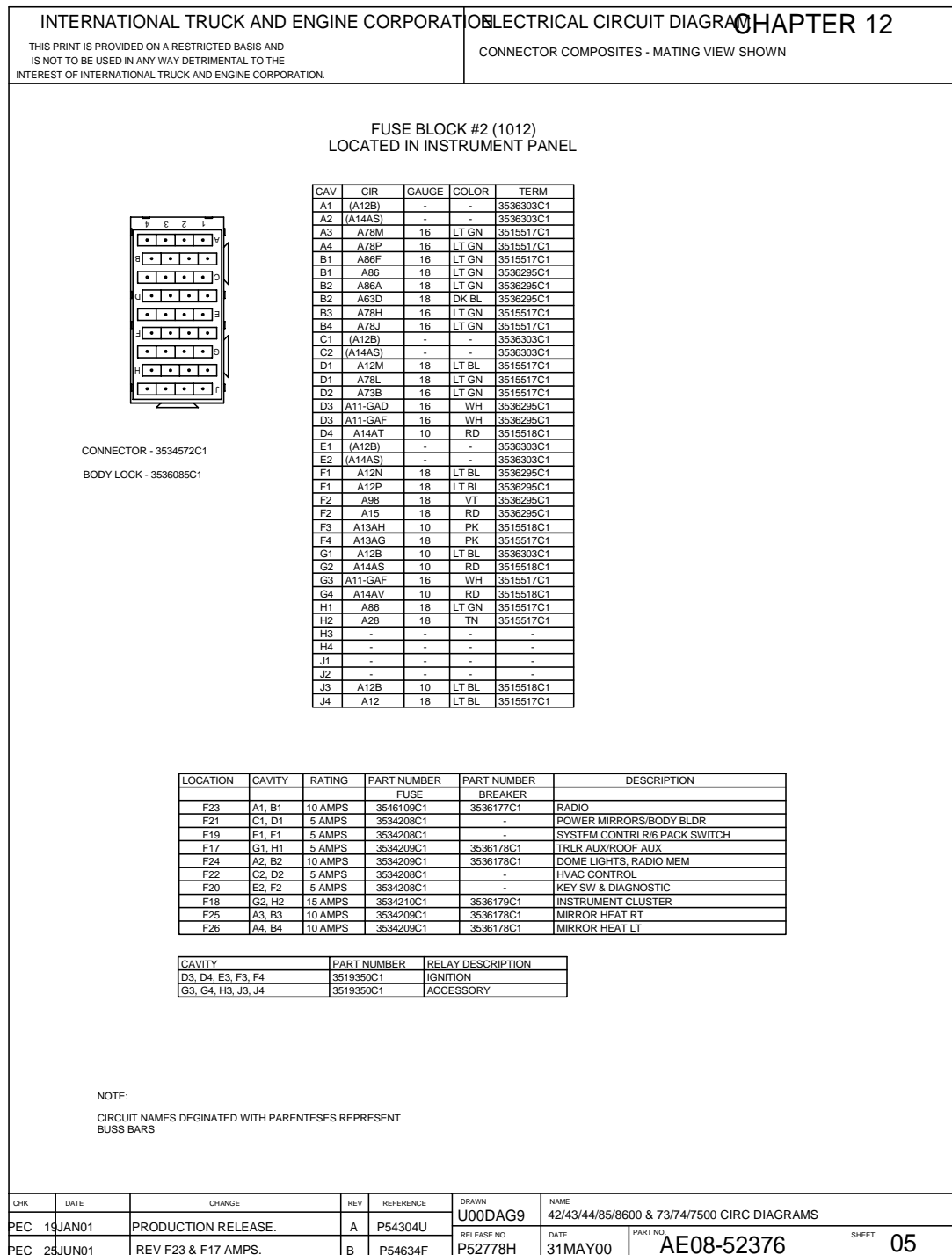


Figure 117 Connector Composite (1012)

12.6. CONNECTOR COMPOSITE (1013), P. 6

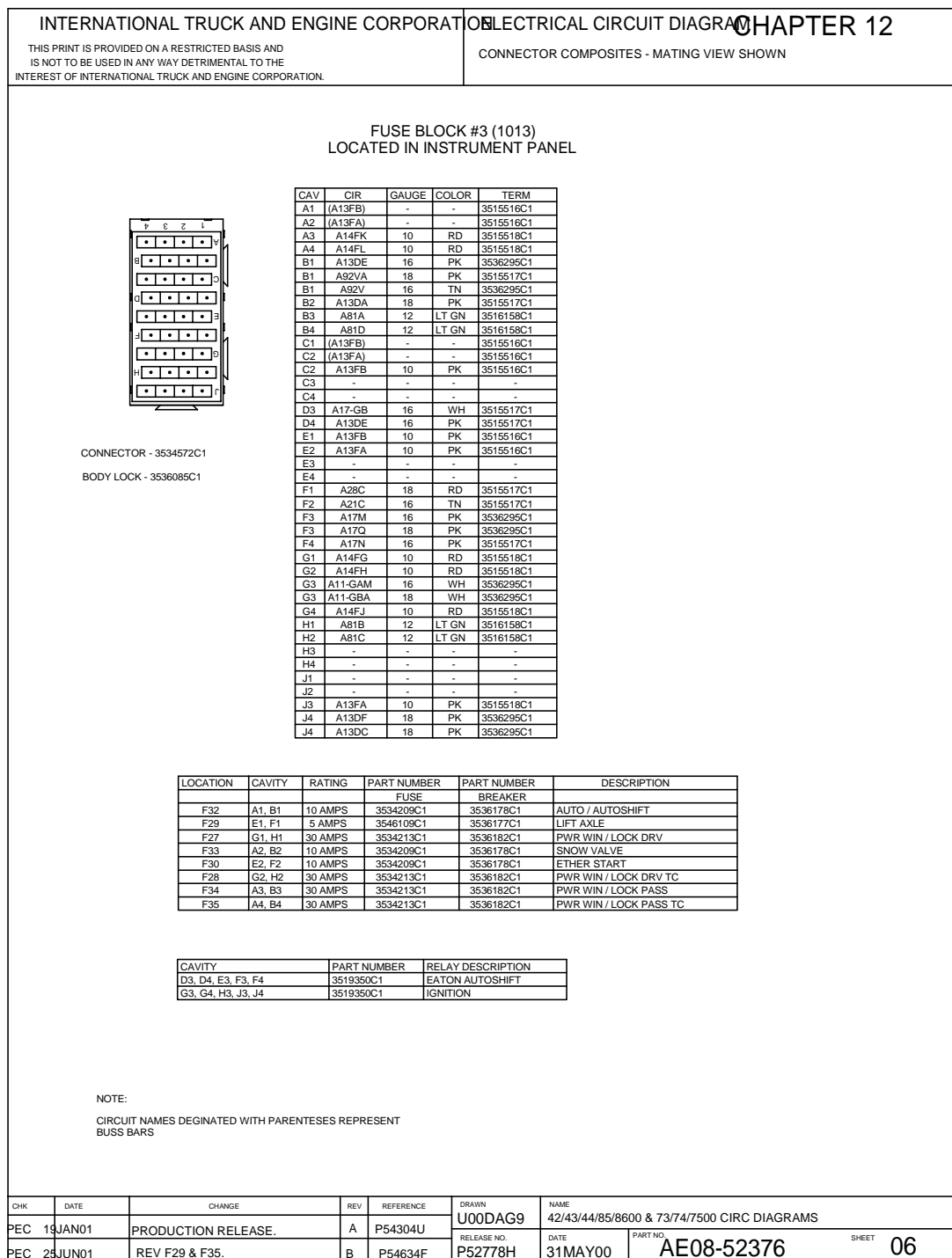


Figure 118 Connector Composite (1013)

12.7. CONNECTOR COMPOSITE (1014), P. 7

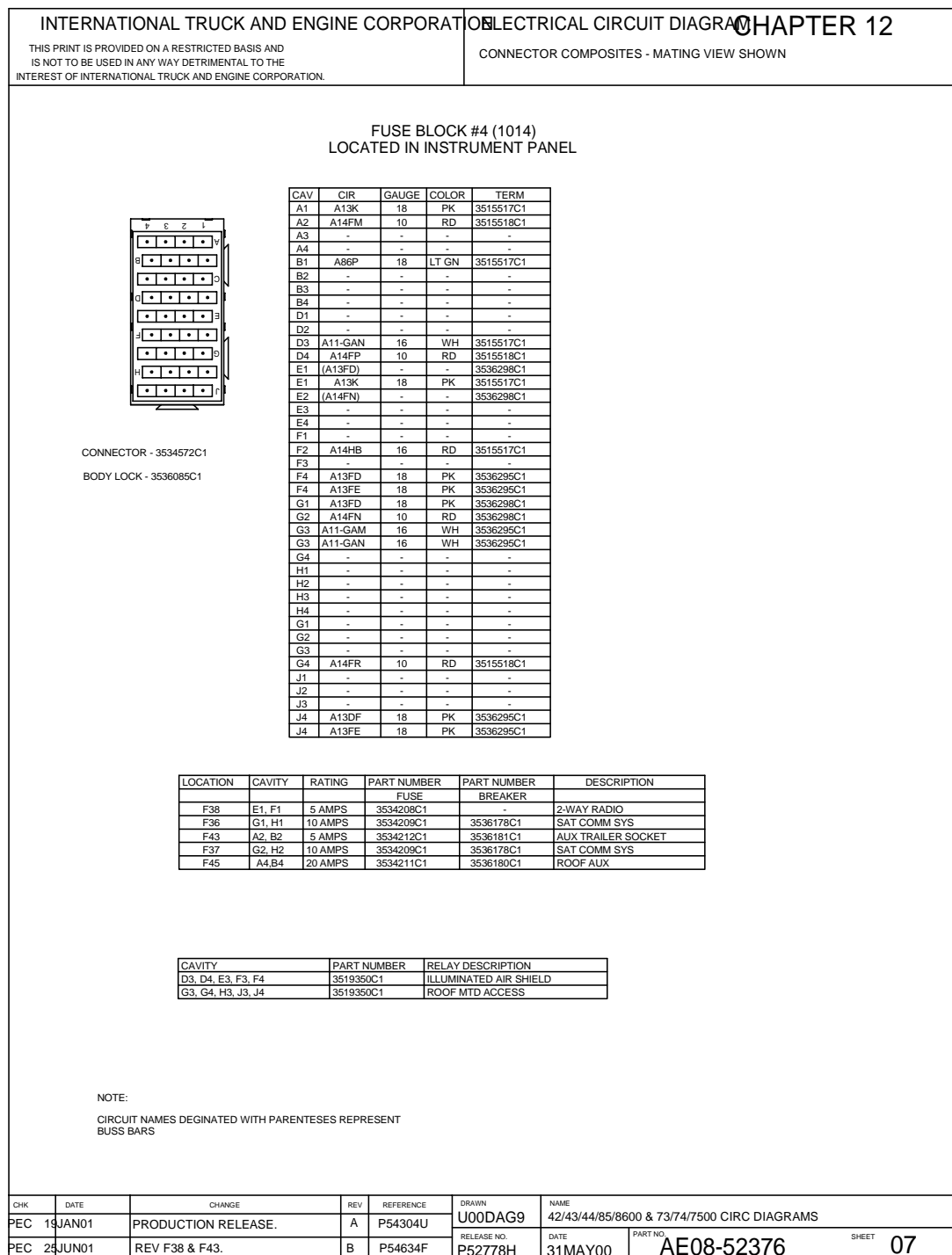


Figure 119 Connector Composite (1014)

12.8. CONNECTOR COMPOSITES (1018), (1019M), (1020M), (1021M), (1022M), (1023M), (1025M), (1026M), P. 8

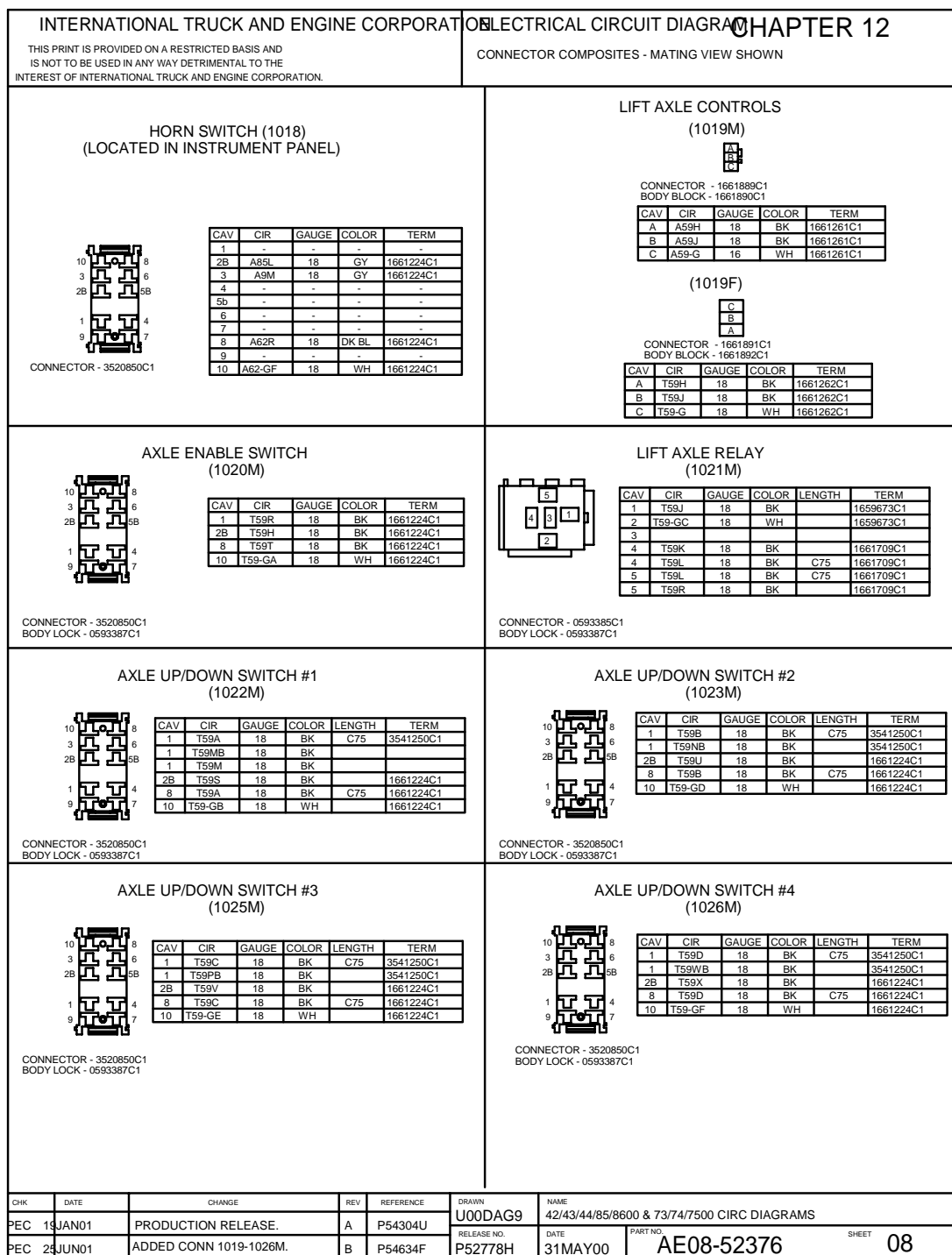


Figure 120 Connector Composites (1018), (1019M), (1020M), (1021M), (1022M), (1023M), (1025M), (1026M)

12.9. CONNECTOR COMPOSITES (1027M, F), (1100), (1101A), (1101), (1102), P. 9

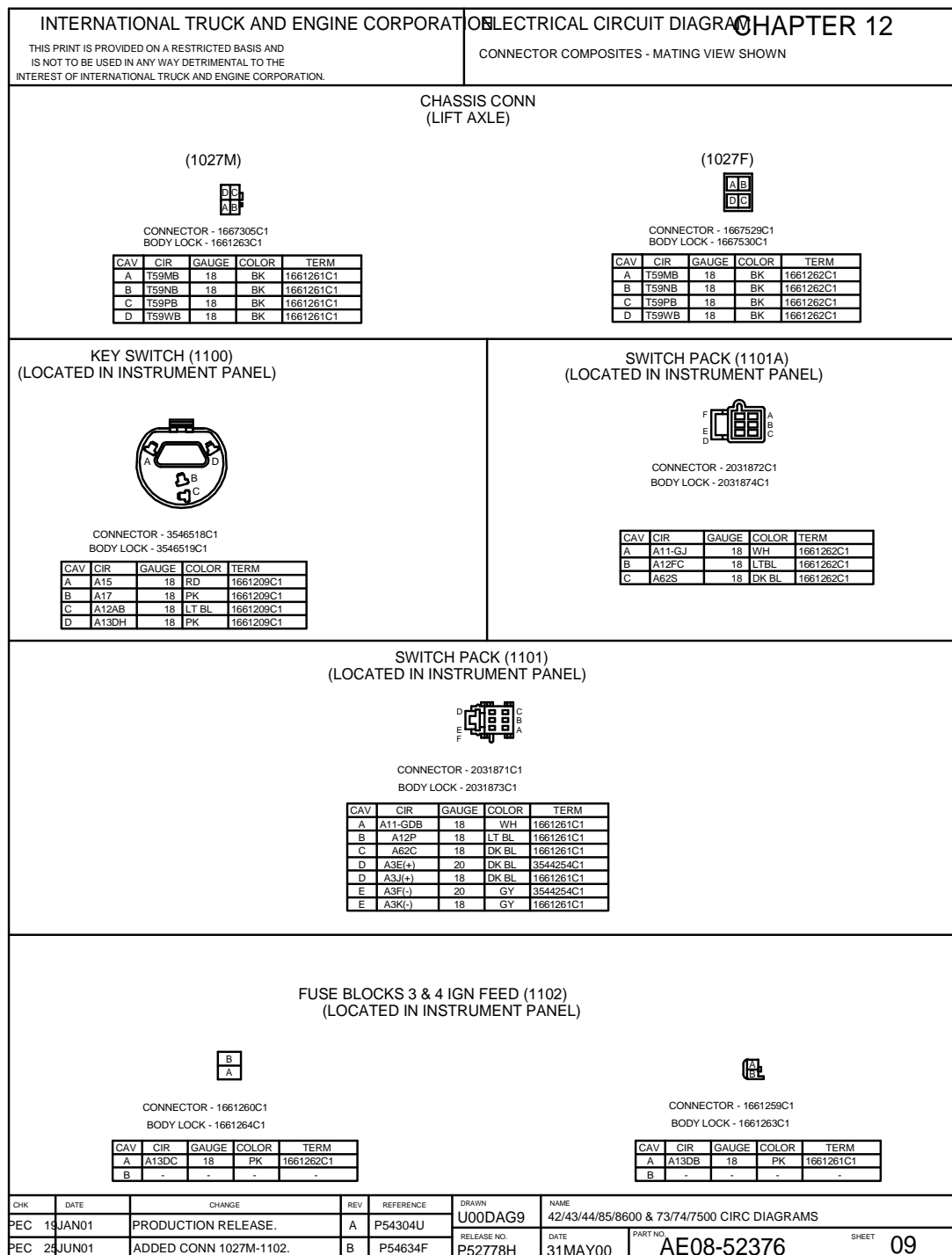


Figure 121 Connector Composites (1027M, F), (1100), (1101A), (1101), (1102)

12.10. CONNECTOR COMPOSITES (1104), (1106), (1200), (1210), P. 10

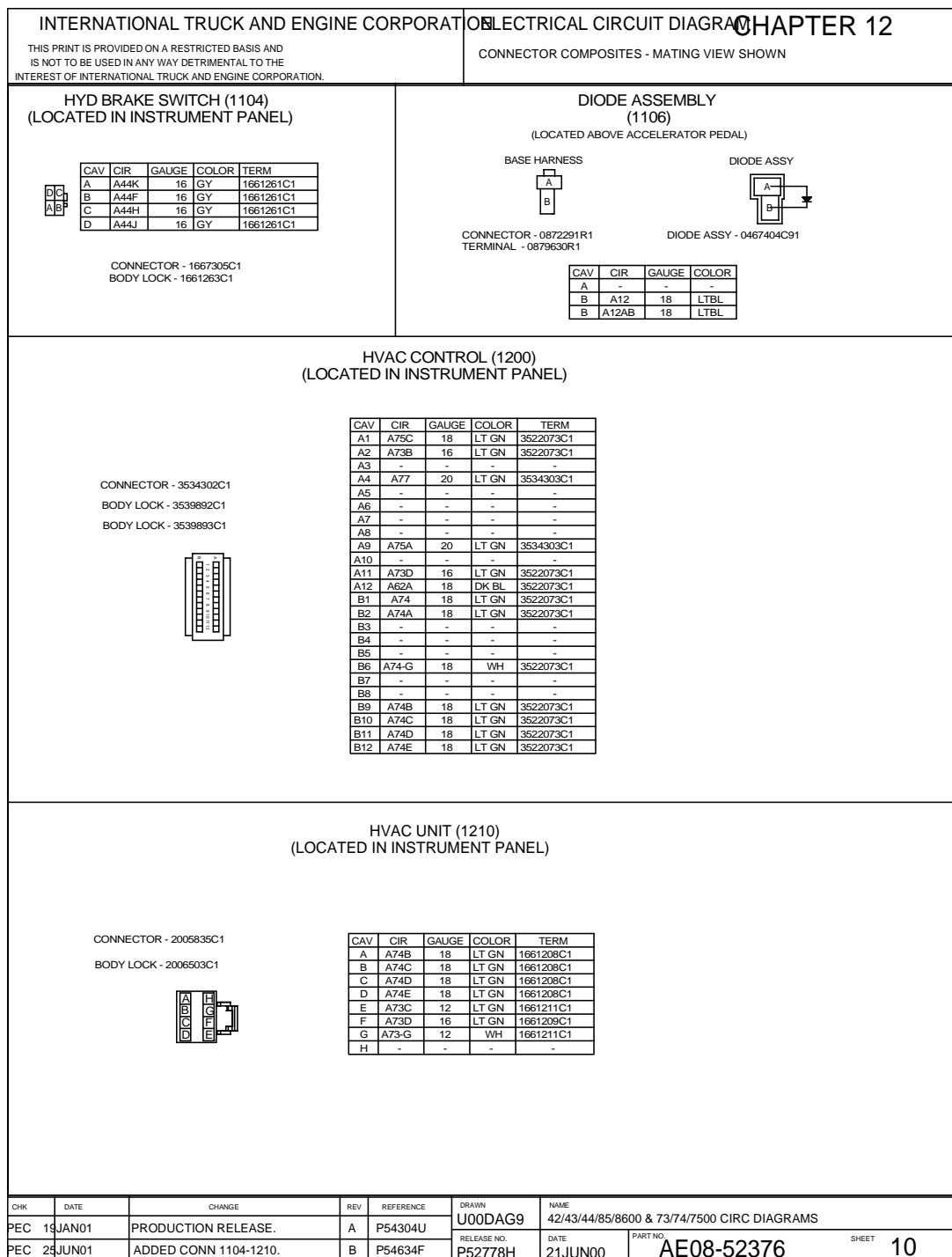


Figure 122 Connector Composites (1104), (1106), (1200), (1210)

12.11. CONNECTOR COMPOSITES (1300), (1301), (1400), (1402), (1500), (1510), P. 11

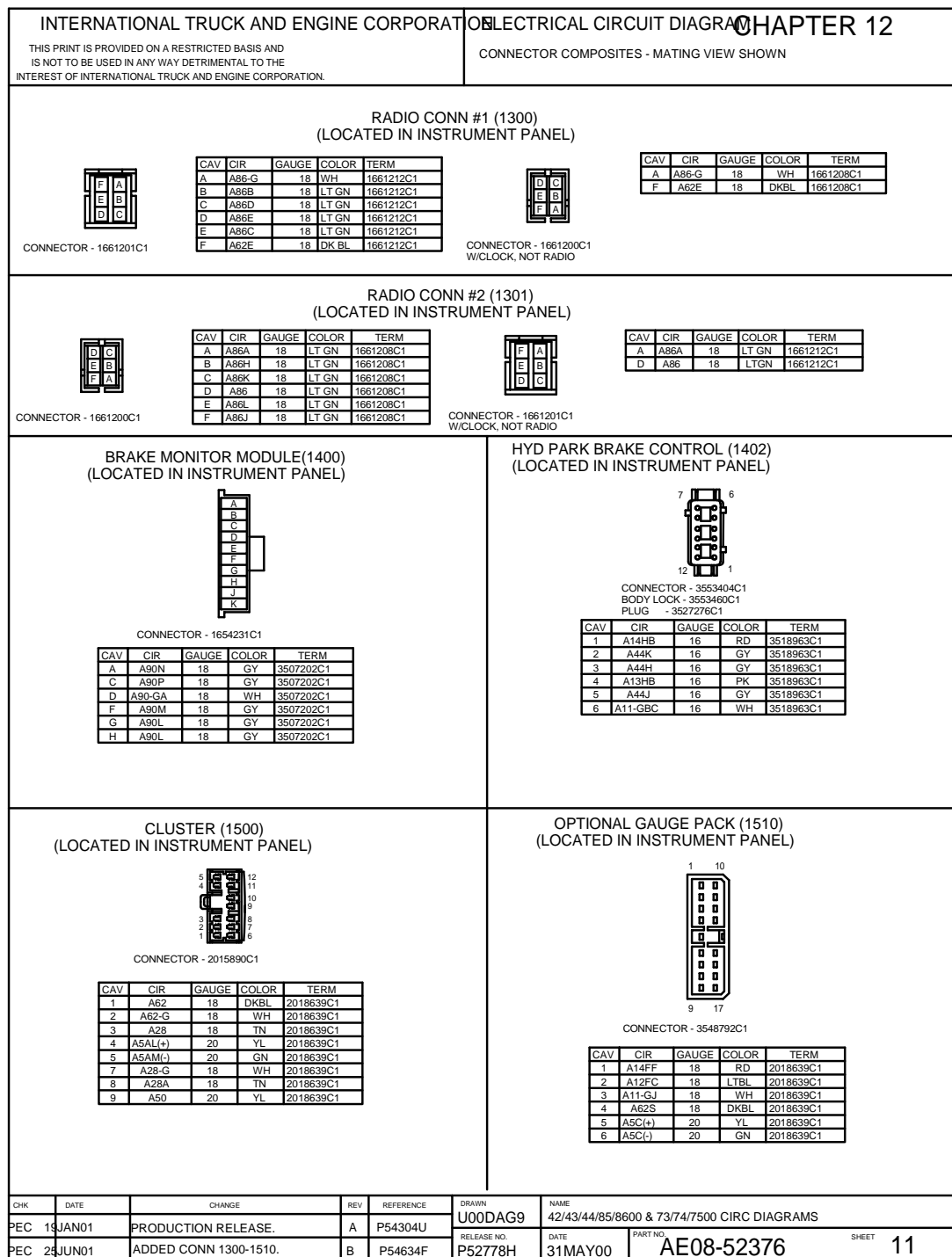


Figure 123 Connector Composites (1300), (1301), (1400), (1402), (1500), (1510)

12.12. CONNECTOR COMPOSITES (1553), (1554F), (1555), (1600), (1601), (1650), P. 12

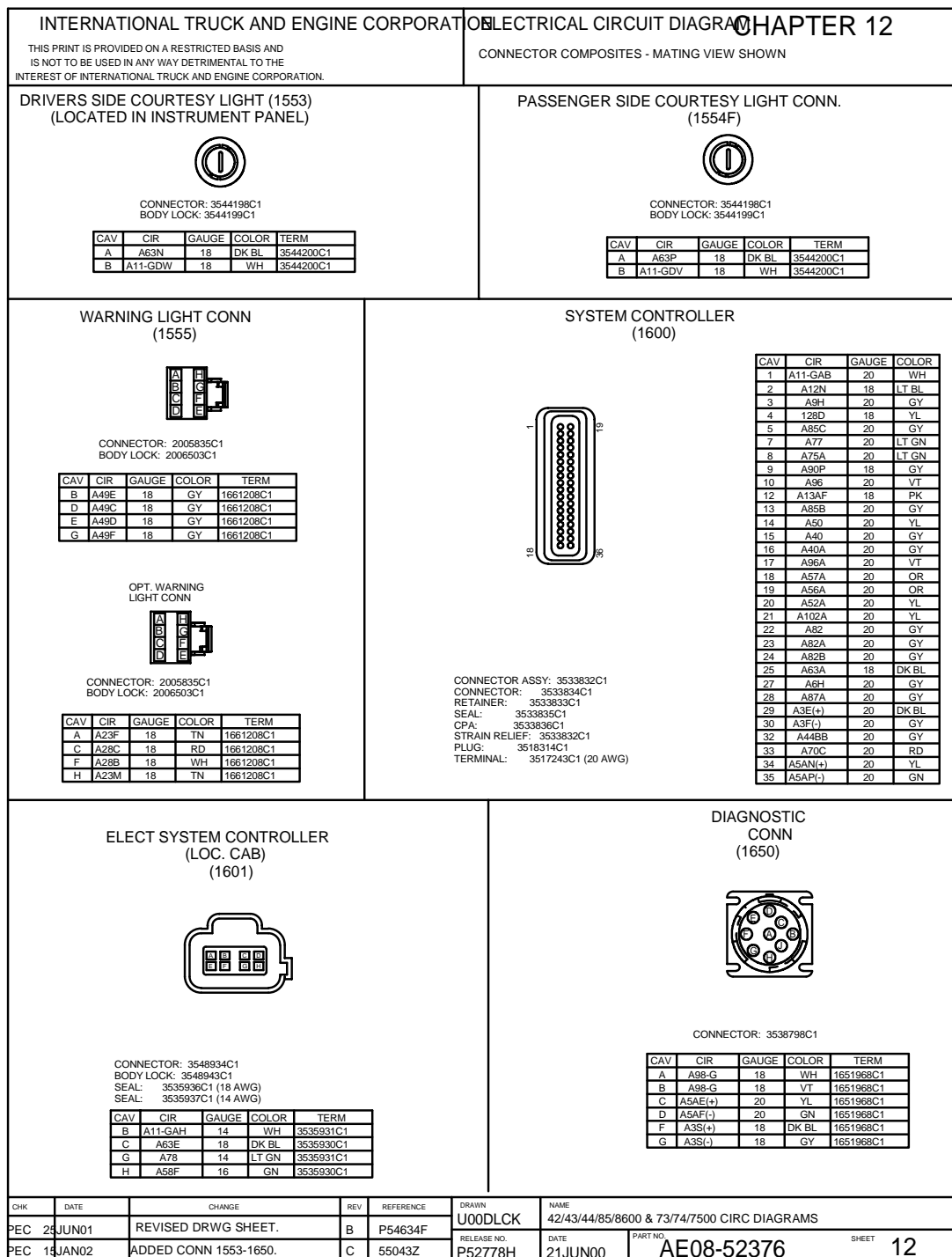


Figure 124 Connector Composites (1553), (1554F), (1555), (1600), (1601), (1650)

12.13. CONNECTOR COMPOSITES (1652), (1657M), (1658), (1659), (1800), P. 13








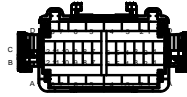
INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAMS CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																																																																																																																																												
DRIVETRAIN J1939 EATON AUTOSHIFT (1652) <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  IP HARNESS CONNECTOR: 1661259C1 BODY LOCK: 1661263C1 TERMINAL: 3534481C1 (20 AWG) </div> <div style="text-align: center;">  SHIFTER HARNESS CONNECTOR: 1661260C1 BODY LOCK: 1661264C1 TERMINAL: 3534481C1 (20 AWG) </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <table border="1" style="font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr> <tr><td>A</td><td>A5AV(+)</td><td>20</td><td>YL</td></tr> <tr><td>B</td><td>A5AV(-)</td><td>20</td><td>GN</td></tr> </table> <table border="1" style="font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr> <tr><td>A</td><td>A5AV(+)</td><td>20</td><td>YL</td></tr> <tr><td>B</td><td>A5AV(-)</td><td>20</td><td>GN</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	A	A5AV(+)	20	YL	B	A5AV(-)	20	GN	CAV	CIR	GAUGE	COLOR	A	A5AV(+)	20	YL	B	A5AV(-)	20	GN	DRIVETRAIN J1939 TERM. RESISTOR (1657M) <div style="text-align: center;">  TERM. RESISTOR CONNECTOR: 1667741C1 BODY LOCK: 1667771C1 DIODE ASSY: 0467404C1 </div> <table border="1" style="font-size: 8px; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>A5AG(+)</td><td>20</td><td>YL</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>A5AH(-)</td><td>20</td><td>GN</td><td>1661875C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A5AG(+)	20	YL	1661875C1	1661872C1	C	A5AH(-)	20	GN	1661875C1	1661872C1																																																																																																																																																																																																																																																																															
CAV	CIR	GAUGE	COLOR																																																																																																																																																																																																																																																																																																																													
A	A5AV(+)	20	YL																																																																																																																																																																																																																																																																																																																													
B	A5AV(-)	20	GN																																																																																																																																																																																																																																																																																																																													
CAV	CIR	GAUGE	COLOR																																																																																																																																																																																																																																																																																																																													
A	A5AV(+)	20	YL																																																																																																																																																																																																																																																																																																																													
B	A5AV(-)	20	GN																																																																																																																																																																																																																																																																																																																													
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																																																																																																																																											
A	A5AG(+)	20	YL	1661875C1	1661872C1																																																																																																																																																																																																																																																																																																																											
C	A5AH(-)	20	GN	1661875C1	1661872C1																																																																																																																																																																																																																																																																																																																											
DRIVETRAIN J1939 AUTO HVAC (1658) <div style="text-align: center;">  IP HARNESS CONNECTOR: 1661259C1 BODY LOCK: 1661263C1 </div> <table border="1" style="font-size: 8px; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>A5BE(+)</td><td>20</td><td>YL</td><td>3544254C1</td></tr> <tr><td>B</td><td>A5BF(-)</td><td>20</td><td>GN</td><td>3544254C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	A5BE(+)	20	YL	3544254C1	B	A5BF(-)	20	GN	3544254C1	DRIVETRAIN J1939 OPT. GAUGES (1659) <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  GAUGE HARNESS CONNECTOR: 1661260C1 BODY LOCK: 1661264C1 </div> <div style="text-align: center;">  IP HARNESS CONNECTOR: 1661259C1 BODY LOCK: 1661263C1 </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <table border="1" style="font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>A5C(+)</td><td>20</td><td>YL</td><td>3534481C1</td></tr> <tr><td>B</td><td>A5C(-)</td><td>20</td><td>GN</td><td>3534481C1</td></tr> </table> <table border="1" style="font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>A5BJ(+)</td><td>20</td><td>YL</td><td>3544254C1</td></tr> <tr><td>B</td><td>A5BK(-)</td><td>20</td><td>GN</td><td>3544254C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	A	A5C(+)	20	YL	3534481C1	B	A5C(-)	20	GN	3534481C1	CAV	CIR	GAUGE	COLOR	TERM	A	A5BJ(+)	20	YL	3544254C1	B	A5BK(-)	20	GN	3544254C1																																																																																																																																																																																																																																																																												
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																																																																																																																												
A	A5BE(+)	20	YL	3544254C1																																																																																																																																																																																																																																																																																																																												
B	A5BF(-)	20	GN	3544254C1																																																																																																																																																																																																																																																																																																																												
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																																																																																																																												
A	A5C(+)	20	YL	3534481C1																																																																																																																																																																																																																																																																																																																												
B	A5C(-)	20	GN	3534481C1																																																																																																																																																																																																																																																																																																																												
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																																																																																																																												
A	A5BJ(+)	20	YL	3544254C1																																																																																																																																																																																																																																																																																																																												
B	A5BK(-)	20	GN	3544254C1																																																																																																																																																																																																																																																																																																																												
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center; width: 45%;">  CAB HARNESS CONNECTOR: 3553649C1 BODY LOCK: 3553650C1 150 SERIES TERMINAL: 3544883C1 (20 AWG) 3544884C1 (18 AWG) 280 SERIES TERMINAL: 3544875C1 (20 AWG) 3544876C1 (18 AWG) </div> <div style="text-align: center; width: 45%;">  DCM HARNESS CONNECTOR: 3553651C1 BODY LOCK: 3544872C1 CONN CLIP: 3545905C1 (1805A) TERMINAL: 3544886C1 (18 AWG) </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <table border="1" style="font-size: 8px; width: 48%;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>NOTES</th></tr> <tr><td>A1</td><td>A56A</td><td>20</td><td>OR</td><td></td></tr> <tr><td>A2</td><td>A57A</td><td>20</td><td>OR</td><td></td></tr> <tr><td>A3</td><td>A11-GAA</td><td>18</td><td>WH</td><td>280 SERIES TERMINAL</td></tr> <tr><td>A4</td><td>A9V</td><td>18</td><td>GY</td><td>280 SERIES TERMINAL</td></tr> <tr><td>A5</td><td>A87C</td><td>20</td><td>GY</td><td>280 SERIES TERMINAL</td></tr> <tr><td>A7</td><td>A52A</td><td>20</td><td>YL</td><td></td></tr> <tr><td>A8</td><td>A102A</td><td>20</td><td>YL</td><td></td></tr> <tr><td>B1</td><td>A82B</td><td>20</td><td>GY</td><td></td></tr> <tr><td>B10</td><td>A85B</td><td>20</td><td>GY</td><td></td></tr> <tr><td>B11</td><td>A85C</td><td>20</td><td>GY</td><td></td></tr> <tr><td>B11</td><td>A85K</td><td>18</td><td>GY</td><td></td></tr> <tr><td>B12</td><td>A96</td><td>20</td><td>VT</td><td></td></tr> <tr><td>B2</td><td>A40A</td><td>20</td><td>GY</td><td></td></tr> <tr><td>B3</td><td>A6H</td><td>20</td><td>GY</td><td></td></tr> <tr><td>B4</td><td>A97Y</td><td>18</td><td>VT</td><td></td></tr> <tr><td>B5</td><td>A99U</td><td>18</td><td>VT</td><td></td></tr> <tr><td>B6</td><td>A99W</td><td>18</td><td>VT</td><td></td></tr> <tr><td>B7</td><td>A44BB</td><td>20</td><td>GY</td><td></td></tr> <tr><td>B9</td><td>A70C</td><td>20</td><td>RD</td><td></td></tr> <tr><td>C1</td><td>A82A</td><td>20</td><td>GY</td><td></td></tr> <tr><td>C10</td><td>A97Q</td><td>18</td><td>VT</td><td></td></tr> <tr><td>C11</td><td>A96A</td><td>20</td><td>VT</td><td></td></tr> <tr><td>C12</td><td>A40</td><td>20</td><td>GY</td><td></td></tr> <tr><td>C2</td><td>A40F</td><td>18</td><td>GY</td><td></td></tr> <tr><td>C4</td><td>A99V</td><td>18</td><td>VT</td><td></td></tr> <tr><td>C5</td><td>A97P</td><td>18</td><td>VT</td><td></td></tr> <tr><td>C6</td><td>A99E</td><td>18</td><td>VT</td><td></td></tr> <tr><td>C9</td><td>A82</td><td>20</td><td>GY</td><td></td></tr> <tr><td>D7</td><td>A17J</td><td>18</td><td>PK</td><td></td></tr> <tr><td>D8</td><td>A17H</td><td>18</td><td>PK</td><td></td></tr> </table> <table border="1" style="font-size: 8px; width: 48%;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>NOTES</th></tr> <tr><td>A1</td><td>B56A</td><td>18</td><td>OR</td><td></td></tr> <tr><td>A2</td><td>B57A</td><td>18</td><td>OR</td><td></td></tr> <tr><td>A3</td><td>B11-GAA</td><td>18</td><td>WH</td><td></td></tr> <tr><td>A4</td><td>B9V</td><td>18</td><td>GY</td><td></td></tr> <tr><td>A5</td><td>B87A</td><td>18</td><td>GY</td><td></td></tr> <tr><td>A7</td><td>B52A</td><td>18</td><td>YL</td><td></td></tr> <tr><td>A8</td><td>B102A</td><td>18</td><td>YL</td><td></td></tr> <tr><td>B1</td><td>B82B</td><td>18</td><td>GY</td><td></td></tr> <tr><td>B10</td><td>B85B</td><td>18</td><td>GY</td><td></td></tr> <tr><td>B11</td><td>B85C</td><td>18</td><td>GY</td><td></td></tr> <tr><td>B12</td><td>B96</td><td>18</td><td>VT</td><td></td></tr> <tr><td>B2</td><td>B40A</td><td>18</td><td>GY</td><td></td></tr> <tr><td>B3</td><td>B6H</td><td>18</td><td>GY</td><td></td></tr> <tr><td>B4</td><td>B97Y</td><td>18</td><td>VT</td><td></td></tr> <tr><td>B5</td><td>B99U</td><td>18</td><td>VT</td><td></td></tr> <tr><td>B6</td><td>B40G</td><td>18</td><td>GY</td><td>DCM W/HYD BRAKES</td></tr> <tr><td>B6</td><td>B40G</td><td>18</td><td>GY</td><td>W/HYD BRAKES</td></tr> <tr><td>B6</td><td>B99W</td><td>18</td><td>VT</td><td>DCM W/AIR BRAKES</td></tr> <tr><td>B7</td><td>B44BB</td><td>18</td><td>GY</td><td></td></tr> <tr><td>B9</td><td>B70C</td><td>18</td><td>RD</td><td></td></tr> <tr><td>C1</td><td>B82A</td><td>18</td><td>GY</td><td></td></tr> <tr><td>C10</td><td>B97Q</td><td>18</td><td>VT</td><td></td></tr> <tr><td>C11</td><td>B96A</td><td>18</td><td>VT</td><td></td></tr> <tr><td>C12</td><td>B40</td><td>18</td><td>GY</td><td></td></tr> <tr><td>C2</td><td>B40F</td><td>18</td><td>GY</td><td></td></tr> <tr><td>C4</td><td>B99V</td><td>18</td><td>VT</td><td></td></tr> <tr><td>C5</td><td>B97P</td><td>18</td><td>VT</td><td></td></tr> <tr><td>C6</td><td>B99E</td><td>18</td><td>VT</td><td></td></tr> <tr><td>C9</td><td>B82</td><td>18</td><td>GY</td><td></td></tr> <tr><td>D7</td><td>B17J</td><td>18</td><td>PK</td><td></td></tr> <tr><td>D8</td><td>B17H</td><td>18</td><td>PK</td><td></td></tr> </table> </div>						CAV	CIR	GAUGE	COLOR	NOTES	A1	A56A	20	OR		A2	A57A	20	OR		A3	A11-GAA	18	WH	280 SERIES TERMINAL	A4	A9V	18	GY	280 SERIES TERMINAL	A5	A87C	20	GY	280 SERIES TERMINAL	A7	A52A	20	YL		A8	A102A	20	YL		B1	A82B	20	GY		B10	A85B	20	GY		B11	A85C	20	GY		B11	A85K	18	GY		B12	A96	20	VT		B2	A40A	20	GY		B3	A6H	20	GY		B4	A97Y	18	VT		B5	A99U	18	VT		B6	A99W	18	VT		B7	A44BB	20	GY		B9	A70C	20	RD		C1	A82A	20	GY		C10	A97Q	18	VT		C11	A96A	20	VT		C12	A40	20	GY		C2	A40F	18	GY		C4	A99V	18	VT		C5	A97P	18	VT		C6	A99E	18	VT		C9	A82	20	GY		D7	A17J	18	PK		D8	A17H	18	PK		CAV	CIR	GAUGE	COLOR	NOTES	A1	B56A	18	OR		A2	B57A	18	OR		A3	B11-GAA	18	WH		A4	B9V	18	GY		A5	B87A	18	GY		A7	B52A	18	YL		A8	B102A	18	YL		B1	B82B	18	GY		B10	B85B	18	GY		B11	B85C	18	GY		B12	B96	18	VT		B2	B40A	18	GY		B3	B6H	18	GY		B4	B97Y	18	VT		B5	B99U	18	VT		B6	B40G	18	GY	DCM W/HYD BRAKES	B6	B40G	18	GY	W/HYD BRAKES	B6	B99W	18	VT	DCM W/AIR BRAKES	B7	B44BB	18	GY		B9	B70C	18	RD		C1	B82A	18	GY		C10	B97Q	18	VT		C11	B96A	18	VT		C12	B40	18	GY		C2	B40F	18	GY		C4	B99V	18	VT		C5	B97P	18	VT		C6	B99E	18	VT		C9	B82	18	GY		D7	B17J	18	PK		D8	B17H	18	PK	
CAV	CIR	GAUGE	COLOR	NOTES																																																																																																																																																																																																																																																																																																																												
A1	A56A	20	OR																																																																																																																																																																																																																																																																																																																													
A2	A57A	20	OR																																																																																																																																																																																																																																																																																																																													
A3	A11-GAA	18	WH	280 SERIES TERMINAL																																																																																																																																																																																																																																																																																																																												
A4	A9V	18	GY	280 SERIES TERMINAL																																																																																																																																																																																																																																																																																																																												
A5	A87C	20	GY	280 SERIES TERMINAL																																																																																																																																																																																																																																																																																																																												
A7	A52A	20	YL																																																																																																																																																																																																																																																																																																																													
A8	A102A	20	YL																																																																																																																																																																																																																																																																																																																													
B1	A82B	20	GY																																																																																																																																																																																																																																																																																																																													
B10	A85B	20	GY																																																																																																																																																																																																																																																																																																																													
B11	A85C	20	GY																																																																																																																																																																																																																																																																																																																													
B11	A85K	18	GY																																																																																																																																																																																																																																																																																																																													
B12	A96	20	VT																																																																																																																																																																																																																																																																																																																													
B2	A40A	20	GY																																																																																																																																																																																																																																																																																																																													
B3	A6H	20	GY																																																																																																																																																																																																																																																																																																																													
B4	A97Y	18	VT																																																																																																																																																																																																																																																																																																																													
B5	A99U	18	VT																																																																																																																																																																																																																																																																																																																													
B6	A99W	18	VT																																																																																																																																																																																																																																																																																																																													
B7	A44BB	20	GY																																																																																																																																																																																																																																																																																																																													
B9	A70C	20	RD																																																																																																																																																																																																																																																																																																																													
C1	A82A	20	GY																																																																																																																																																																																																																																																																																																																													
C10	A97Q	18	VT																																																																																																																																																																																																																																																																																																																													
C11	A96A	20	VT																																																																																																																																																																																																																																																																																																																													
C12	A40	20	GY																																																																																																																																																																																																																																																																																																																													
C2	A40F	18	GY																																																																																																																																																																																																																																																																																																																													
C4	A99V	18	VT																																																																																																																																																																																																																																																																																																																													
C5	A97P	18	VT																																																																																																																																																																																																																																																																																																																													
C6	A99E	18	VT																																																																																																																																																																																																																																																																																																																													
C9	A82	20	GY																																																																																																																																																																																																																																																																																																																													
D7	A17J	18	PK																																																																																																																																																																																																																																																																																																																													
D8	A17H	18	PK																																																																																																																																																																																																																																																																																																																													
CAV	CIR	GAUGE	COLOR	NOTES																																																																																																																																																																																																																																																																																																																												
A1	B56A	18	OR																																																																																																																																																																																																																																																																																																																													
A2	B57A	18	OR																																																																																																																																																																																																																																																																																																																													
A3	B11-GAA	18	WH																																																																																																																																																																																																																																																																																																																													
A4	B9V	18	GY																																																																																																																																																																																																																																																																																																																													
A5	B87A	18	GY																																																																																																																																																																																																																																																																																																																													
A7	B52A	18	YL																																																																																																																																																																																																																																																																																																																													
A8	B102A	18	YL																																																																																																																																																																																																																																																																																																																													
B1	B82B	18	GY																																																																																																																																																																																																																																																																																																																													
B10	B85B	18	GY																																																																																																																																																																																																																																																																																																																													
B11	B85C	18	GY																																																																																																																																																																																																																																																																																																																													
B12	B96	18	VT																																																																																																																																																																																																																																																																																																																													
B2	B40A	18	GY																																																																																																																																																																																																																																																																																																																													
B3	B6H	18	GY																																																																																																																																																																																																																																																																																																																													
B4	B97Y	18	VT																																																																																																																																																																																																																																																																																																																													
B5	B99U	18	VT																																																																																																																																																																																																																																																																																																																													
B6	B40G	18	GY	DCM W/HYD BRAKES																																																																																																																																																																																																																																																																																																																												
B6	B40G	18	GY	W/HYD BRAKES																																																																																																																																																																																																																																																																																																																												
B6	B99W	18	VT	DCM W/AIR BRAKES																																																																																																																																																																																																																																																																																																																												
B7	B44BB	18	GY																																																																																																																																																																																																																																																																																																																													
B9	B70C	18	RD																																																																																																																																																																																																																																																																																																																													
C1	B82A	18	GY																																																																																																																																																																																																																																																																																																																													
C10	B97Q	18	VT																																																																																																																																																																																																																																																																																																																													
C11	B96A	18	VT																																																																																																																																																																																																																																																																																																																													
C12	B40	18	GY																																																																																																																																																																																																																																																																																																																													
C2	B40F	18	GY																																																																																																																																																																																																																																																																																																																													
C4	B99V	18	VT																																																																																																																																																																																																																																																																																																																													
C5	B97P	18	VT																																																																																																																																																																																																																																																																																																																													
C6	B99E	18	VT																																																																																																																																																																																																																																																																																																																													
C9	B82	18	GY																																																																																																																																																																																																																																																																																																																													
D7	B17J	18	PK																																																																																																																																																																																																																																																																																																																													
D8	B17H	18	PK																																																																																																																																																																																																																																																																																																																													
<table border="1" style="width: 100%; font-size: 8px;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> <tr> <td>PEC</td> <td>15JAN01</td> <td>PRODUCTION RELEASE.</td> <td>A</td> <td>P54304U</td> <td>U00DLCK</td> <td>42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS</td> </tr> <tr> <td>PEC</td> <td>23JUN01</td> <td>ADDED CONN 1652-1800.</td> <td>B</td> <td>P54634F</td> <td>P52778H</td> <td>DATE: 21JUN00 PART NO: AE08-52376 SHEET: 13</td> </tr> </table>						CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	PEC	15JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	PEC	23JUN01	ADDED CONN 1652-1800.	B	P54634F	P52778H	DATE: 21JUN00 PART NO: AE08-52376 SHEET: 13																																																																																																																																																																																																																																																																																																						
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																																																																																																																																																																																																																										
PEC	15JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																																																																																																																																																																																																																																										
PEC	23JUN01	ADDED CONN 1652-1800.	B	P54634F	P52778H	DATE: 21JUN00 PART NO: AE08-52376 SHEET: 13																																																																																																																																																																																																																																																																																																																										

Figure 125 Connector Composites (1652), (1657M), (1658), (1659), (1800)

12.14. CONNECTOR COMPOSITES (1804), (1807), (1808), (1809), (1810), (1811), (1812), (1813), (1814), (1815), P. 14

INTERNATIONAL TRUCK AND ENGINE CORPORATION


THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN


ACCELERATOR PEDAL
(1804)



CONNECTOR: 1687790C1
TERMINAL: 1651943C1(18 AWG)

CAV	CIR	GAUGE	COLOR
A	B99V	18	VT
B	B97AD	18	VT
C	B97AF	18	VT
D	B99J	18	VT
E	B99W	18	VT
F	B99E	18	VT


CLUTCH SWITCH
(1807)



CONNECTOR: 3540757C1
BODY LOCK: 3540758C1
SEAL: 1661872C1
TERMINAL: 1667742C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	B17J	18	PK
B	B17H	18	PK
C	B96A	18	VT
D	B9VB	18	GY


BAP SENSOR
(1808)



CONNECTOR: 2016703C1
BODY LOCK: 2016704C1
TERMINAL: 2003343C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
1	B97AE	18	VT
2	B97AH	18	VT
3	B97Q	18	VT


CLOCKSPRING
(1809)



CONNECTOR: 3547870C1
TERMINAL: 1661261C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	B9R	18	GY
B	B96	18	VT
C	B85C	18	GY
D	B85B	18	GY


TURN SIGNAL SWITCH
(1810)



CONNECTOR: 3539212C1
TERMINAL: 3539213C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
1	B56A	18	OR
2	B57A	18	OR
3	B52A	18	YL
4	B102A	18	YL
5	B82B	18	GY
6	B11-5AA	18	WH
7	B9S	18	GY
8	B82	18	GY
11	B82A	18	GY
12	B87A	18	GY


PRIMARY AIR TRANSDUCER
(1811)



CONNECTOR: 1678137C1
TERMINAL: 1651934C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	B9VC	18	GY
B	B8HB	18	GY
C	B40	18	GY


SECONDARY AIR TRANSDUCER
(1812)



CONNECTOR: 1678137C1
TERMINAL: 1651934C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	B9VE	18	GY
B	B8HA	18	GY
C	B40A	18	GY


PARK BRAKE
(1813)



CONNECTOR: 1661777C1
BODY LOCK: 1661873C1
SEAL: 1661872C1
TERMINAL: 1661875C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
C	B44BB	18	GY
D	B9VD	18	GY


STOP LIGHT
(1814)



CONNECTOR: 2036584C1
TERMINAL: 2036586C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	B70C	18	RD
B	B9VF	18	GY

PARK BRAKE
(1815)



CONNECTOR: 1661259C1
TERMINAL: 1661261C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	WHITE	18	WH
B	BLACK	18	BK

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	RELEASE NO.	DATE	PART NO.	SHEET
PEC	15JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS				
PEC	25JUN01	ADDED CONN 1804-1815.	B	P54634F	P52778H			21JUN00	AE08-52376	14

Figure 126 Connector Composites (1804), (1807), (1808), (1809), (1810), (1811), (1812), (1813), (1814), (1815)

12.15. CONNECTOR COMPOSITES (1820), (1822), (1823), (1824), (1828), (1860), (1861), (1901M), (1915), P. 15

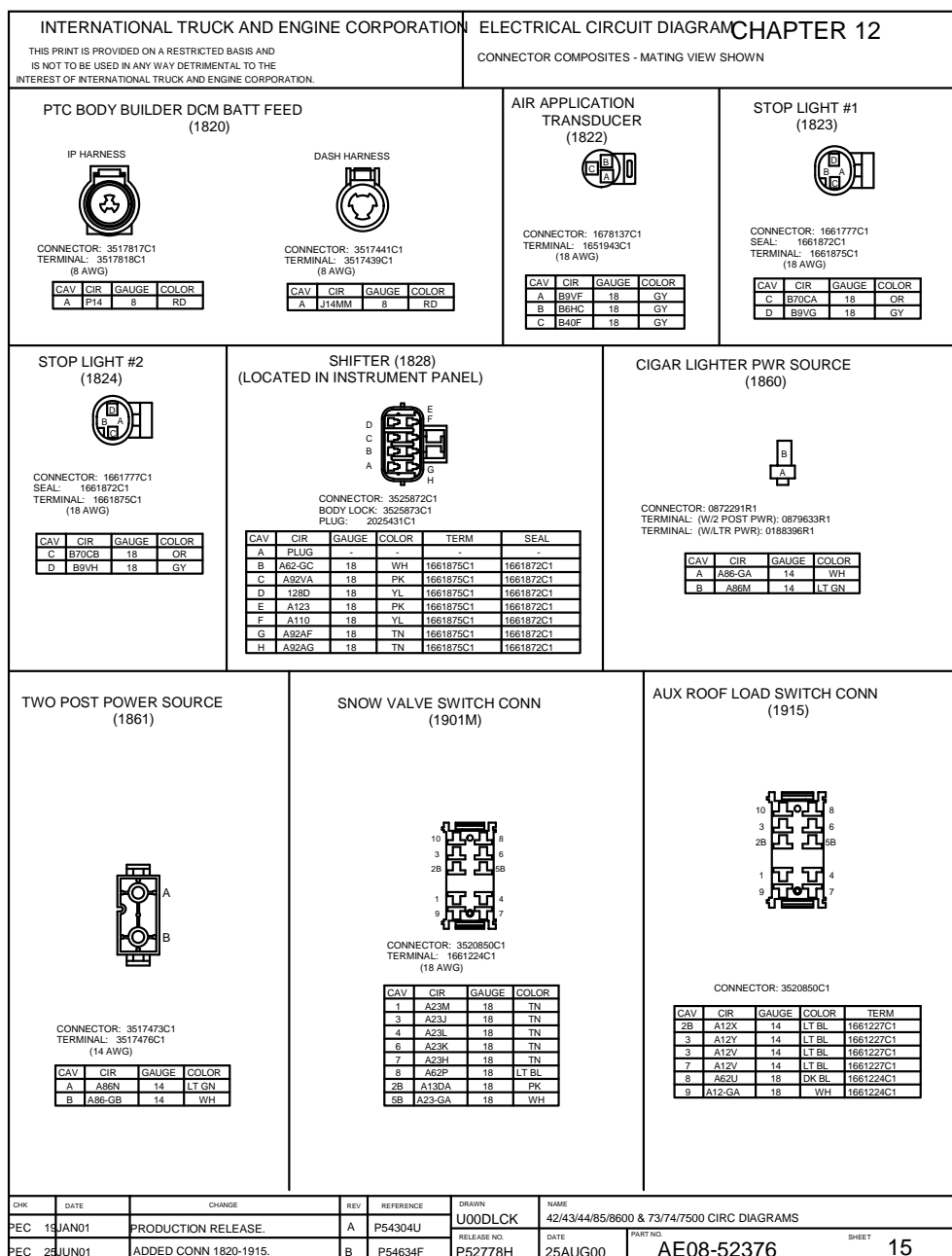


Figure 127 Connector Composites (1820), (1822), (1823), (1824), (1828), (1860), (1861), (1901M), (1915)

12.16. CONNECTOR COMPOSITES (1916), (1917M, F), (1918), (1920), (2000), (2002M), (2003M), (2004M), (2005M), P. 16

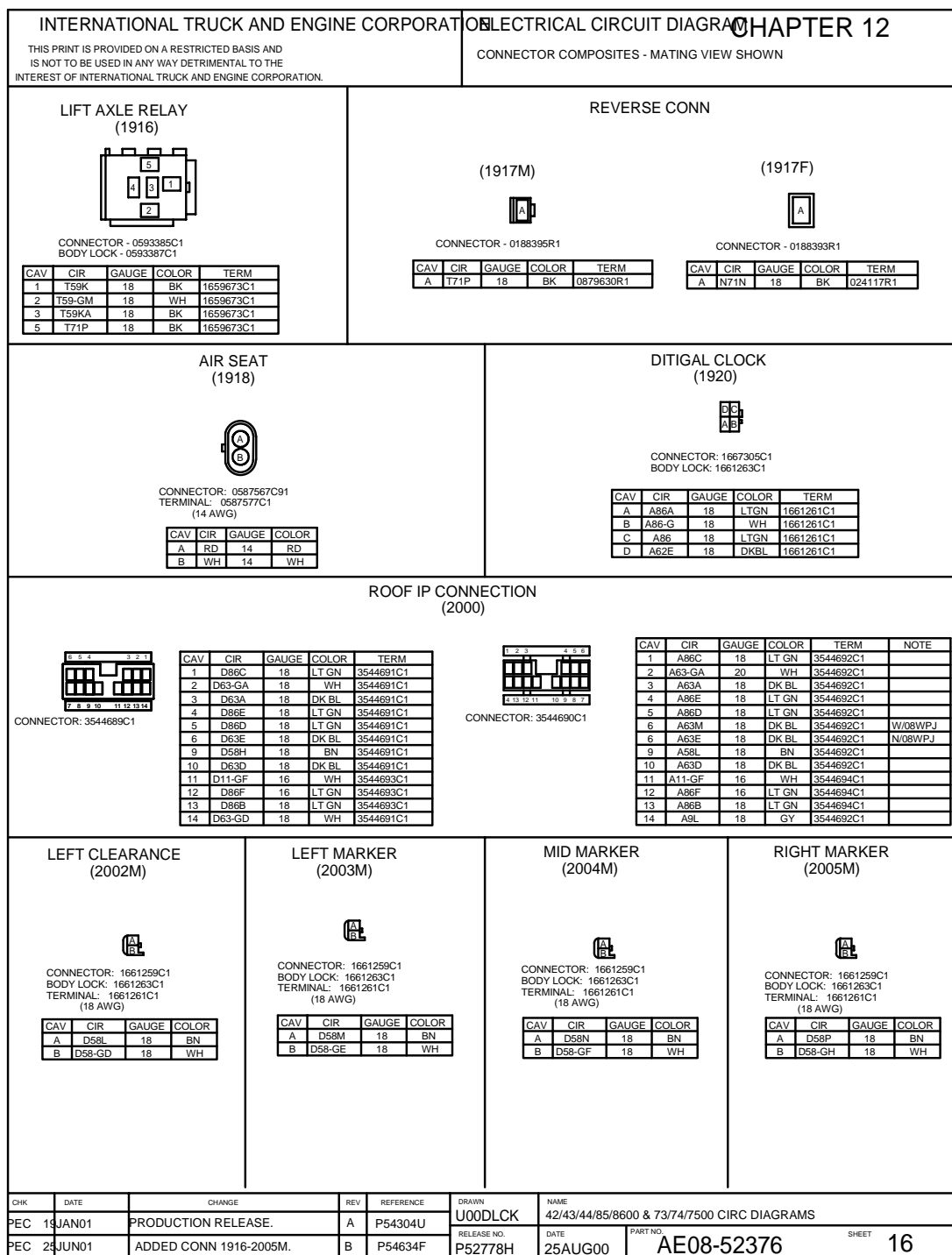


Figure 128 Connector Composites (1916), (1917M, F), (1918), (1920), (2000), (2002M), (2003M), (2004M), (2005M)

12.17. CONNECTOR COMPOSITES (2006M), (2007F), (2021F), (2021M), (2022F), (2022M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M), P. 17

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																													
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																													
<div>RIGHT CLEARANCE (2006M)</div> <div></div> <div>CONNECTOR: 1661259C1 BODY LOCK: 1661263C1 TERMINAL: 1661261C1 (18 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D58R</td><td>18</td><td>BN</td></tr><tr><td>B</td><td>D58-GJ</td><td>18</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D58R	18	BN	B	D58-GJ	18	WH	<div>SUNSHADE (2007F)</div> <div></div> <div>CONNECTOR: 1661260C1 BODY LOCK: 1661264C1 TERMINAL: 1661262C1 (18 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D58T</td><td>18</td><td>BN</td></tr><tr><td>B</td><td>D58-GL</td><td>18</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D58T	18	BN	B	D58-GL	18	WH	<div>AUX ROOF/IP CONNECTION (2021F)</div> <div></div> <div>CONNECTOR: 3554818C1 BODY LOCK: 3554821C1 TERMINAL: 3534167C1 (14 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D58W</td><td>14</td><td>BN</td></tr><tr><td>B</td><td>D58-GW</td><td>14</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D58W	14	BN	B	D58-GW	14	WH	<div>IP/AUX ROOF CONNECTION (2021M)</div> <div></div> <div>CONNECTOR: 3554817C1 BODY LOCK: 3554820C1 TERMINAL: 3534165C1 (14 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>A12U</td><td>14</td><td>LT BL</td></tr><tr><td>B</td><td>A12-GB</td><td>14</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	A12U	14	LT BL	B	A12-GB	14	WH																											
CAV	CIR	GAUGE	COLOR																																																																															
A	D58R	18	BN																																																																															
B	D58-GJ	18	WH																																																																															
CAV	CIR	GAUGE	COLOR																																																																															
A	D58T	18	BN																																																																															
B	D58-GL	18	WH																																																																															
CAV	CIR	GAUGE	COLOR																																																																															
A	D58W	14	BN																																																																															
B	D58-GW	14	WH																																																																															
CAV	CIR	GAUGE	COLOR																																																																															
A	A12U	14	LT BL																																																																															
B	A12-GB	14	WH																																																																															
<div>AUX ROOF/IP CONNECTION (2022F)</div> <div></div> <div>CONNECTOR: 3554818C1 BODY LOCK: 3554821C1 TERMINAL: 1661212C1 (18 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>BK</td><td>18</td><td>BK</td></tr><tr><td>B</td><td>WH</td><td>18</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	BK	18	BK	B	WH	18	WH	<div>IP/AUX ROOF CONNECTION (2022M)</div> <div></div> <div>CONNECTOR: 3554817C1 BODY LOCK: 3554820C1 TERMINAL: 3534164C1 (18 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>A58AD</td><td>18</td><td>BN</td></tr><tr><td>B</td><td>A11-GHF</td><td>18</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	A58AD	18	BN	B	A11-GHF	18	WH	<div>RIGHT DOOR DOME SWITCH (2111M)</div> <div></div> <div>CONNECTOR: 2036584C1 TERMINAL: 2036586C1 (18 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D63B</td><td>18</td><td>DK BL</td></tr><tr><td>B</td><td>D9N</td><td>18</td><td>GY</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D63B	18	DK BL	B	D9N	18	GY	<div>LEFT DOOR DOME SWITCH (2112M)</div> <div></div> <div>CONNECTOR: 2036584C1 TERMINAL: 2036586C1 (18 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>NOTES</th></tr><tr><td>A</td><td>D63H</td><td>18</td><td>DK BL</td><td>PTC</td></tr><tr><td>A</td><td>D63A</td><td>18</td><td>DK BL</td><td></td></tr><tr><td>B</td><td>D9D</td><td>18</td><td>GY</td><td></td></tr><tr><td>B</td><td>D9L</td><td>18</td><td>GY</td><td>PTC</td></tr></table>		CAV	CIR	GAUGE	COLOR	NOTES	A	D63H	18	DK BL	PTC	A	D63A	18	DK BL		B	D9D	18	GY		B	D9L	18	GY	PTC														
CAV	CIR	GAUGE	COLOR																																																																															
A	BK	18	BK																																																																															
B	WH	18	WH																																																																															
CAV	CIR	GAUGE	COLOR																																																																															
A	A58AD	18	BN																																																																															
B	A11-GHF	18	WH																																																																															
CAV	CIR	GAUGE	COLOR																																																																															
A	D63B	18	DK BL																																																																															
B	D9N	18	GY																																																																															
CAV	CIR	GAUGE	COLOR	NOTES																																																																														
A	D63H	18	DK BL	PTC																																																																														
A	D63A	18	DK BL																																																																															
B	D9D	18	GY																																																																															
B	D9L	18	GY	PTC																																																																														
<div>RIGHT CREW DOOR DOME SWITCH (2113M)</div> <div></div> <div>CONNECTOR: 2036584C1 TERMINAL: 2036586C1 (18 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D63J</td><td>18</td><td>DK BL</td></tr><tr><td>B</td><td>D9W</td><td>18</td><td>GY</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D63J	18	DK BL	B	D9W	18	GY	<div>LEFT CREW DOOR DOME SWITCH (2114M)</div> <div></div> <div>CONNECTOR: 2036584C1 TERMINAL: 2036586C1 (18 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D63K</td><td>18</td><td>DK BL</td></tr><tr><td>B</td><td>D9Y</td><td>18</td><td>GY</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D63K	18	DK BL	B	D9Y	18	GY	<div>REAR DOME LIGHT (2115M)</div> <div></div> <div>CONNECTOR: 1661889C1 BODY LOCK: 1661890C1 TERMINAL: 1661261C1 (18 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D63L</td><td>18</td><td>DK BL</td></tr><tr><td>B</td><td>D63-GH</td><td>18</td><td>WH</td></tr><tr><td>C</td><td>D63K</td><td>18</td><td>DK BL</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D63L	18	DK BL	B	D63-GH	18	WH	C	D63K	18	DK BL	<div>DOME LAMP (2116M)</div> <div></div> <div>CONNECTOR: 3536187C1 BODY LOCK: 1661890C1 TERMINAL: 1661261C1 (18 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>NOTES</th></tr><tr><td>A</td><td>C63D</td><td>18</td><td>DK BL</td><td></td></tr><tr><td>B</td><td>C63-GE</td><td>18</td><td>WH</td><td>W/DUAL CB</td></tr><tr><td>B</td><td>C11-GF</td><td>16</td><td>WH</td><td>W/O CB</td></tr><tr><td>C</td><td>C63E</td><td>18</td><td>DK BL</td><td></td></tr></table>		CAV	CIR	GAUGE	COLOR	NOTES	A	C63D	18	DK BL		B	C63-GE	18	WH	W/DUAL CB	B	C11-GF	16	WH	W/O CB	C	C63E	18	DK BL											
CAV	CIR	GAUGE	COLOR																																																																															
A	D63J	18	DK BL																																																																															
B	D9W	18	GY																																																																															
CAV	CIR	GAUGE	COLOR																																																																															
A	D63K	18	DK BL																																																																															
B	D9Y	18	GY																																																																															
CAV	CIR	GAUGE	COLOR																																																																															
A	D63L	18	DK BL																																																																															
B	D63-GH	18	WH																																																																															
C	D63K	18	DK BL																																																																															
CAV	CIR	GAUGE	COLOR	NOTES																																																																														
A	C63D	18	DK BL																																																																															
B	C63-GE	18	WH	W/DUAL CB																																																																														
B	C11-GF	16	WH	W/O CB																																																																														
C	C63E	18	DK BL																																																																															
<div>DOME/READING LIGHT COMPASS/TEMP UNIT (2117M)</div> <div></div> <div>CONNECTOR: 3515762C1 BODY LOCK: 3515764C1-2 TERMINAL: 1661261C1 (18 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>C41-G</td><td>18</td><td>WH</td></tr><tr><td>B</td><td>C63-GE</td><td>18</td><td>WH</td></tr><tr><td>C</td><td>C63D</td><td>18</td><td>DK BL</td></tr><tr><td>D</td><td>C41B</td><td>18</td><td>GY</td></tr><tr><td>E</td><td>C62F</td><td>18</td><td>DK BL</td></tr><tr><td>F</td><td>C63E</td><td>18</td><td>DK BL</td></tr><tr><td>G</td><td>C41</td><td>18</td><td>GY</td></tr><tr><td>H</td><td>C41A</td><td>18</td><td>GY</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	C41-G	18	WH	B	C63-GE	18	WH	C	C63D	18	DK BL	D	C41B	18	GY	E	C62F	18	DK BL	F	C63E	18	DK BL	G	C41	18	GY	H	C41A	18	GY	<div>RIGHT REAR SPEAKER (2301M)</div> <div></div> <div>CONNECTOR: 3535769C1 BODY LOCK: 3535770C1</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>D86D</td><td>18</td><td>LT GN</td><td>1661261C1</td></tr><tr><td>B</td><td>D86E</td><td>18</td><td>LT GN</td><td>1661261C1</td></tr></table>		CAV	CIR	GAUGE	COLOR	TERM	A	D86D	18	LT GN	1661261C1	B	D86E	18	LT GN	1661261C1	<div>LEFT REAR SPEAKER (2302M)</div> <div></div> <div>CONNECTOR: 3535769C1 BODY LOCK: 3535770C1 TERMINAL: 1661261C1 (18 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D86B</td><td>18</td><td>LT GN</td></tr><tr><td>B</td><td>D86C</td><td>18</td><td>LT GN</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D86B	18	LT GN	B	D86C	18	LT GN	<div>CB RADIO POWER (2303M)</div> <div></div> <div>CONNECTOR: 1661197C1 TERMINAL: 1661212C1 (16 AWG)</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>C86F</td><td>16</td><td>LT GN</td></tr><tr><td>B</td><td>C86-GF</td><td>16</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	C86F	16	LT GN	B	C86-GF	16	WH
CAV	CIR	GAUGE	COLOR																																																																															
A	C41-G	18	WH																																																																															
B	C63-GE	18	WH																																																																															
C	C63D	18	DK BL																																																																															
D	C41B	18	GY																																																																															
E	C62F	18	DK BL																																																																															
F	C63E	18	DK BL																																																																															
G	C41	18	GY																																																																															
H	C41A	18	GY																																																																															
CAV	CIR	GAUGE	COLOR	TERM																																																																														
A	D86D	18	LT GN	1661261C1																																																																														
B	D86E	18	LT GN	1661261C1																																																																														
CAV	CIR	GAUGE	COLOR																																																																															
A	D86B	18	LT GN																																																																															
B	D86C	18	LT GN																																																																															
CAV	CIR	GAUGE	COLOR																																																																															
A	C86F	16	LT GN																																																																															
B	C86-GF	16	WH																																																																															
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	DATE	PART NO.	SHEET																																																																									
PEC	15JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																												
PEC	25JUN01	ADDED 2006M-2303M.	B	P54634F	P52778H		25AUG00	AE08-52376	17																																																																									

Figure 129 Connector Composites (2006M), (2007F), (2021F), (2021M), (2022F), (2022M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M)

12.18. CONNECTOR COMPOSITES (2304M), (2305M), (2306M), (2307F), (2308F), (2502F), (2502M), (2503F, M), (2600F, M), P. 18

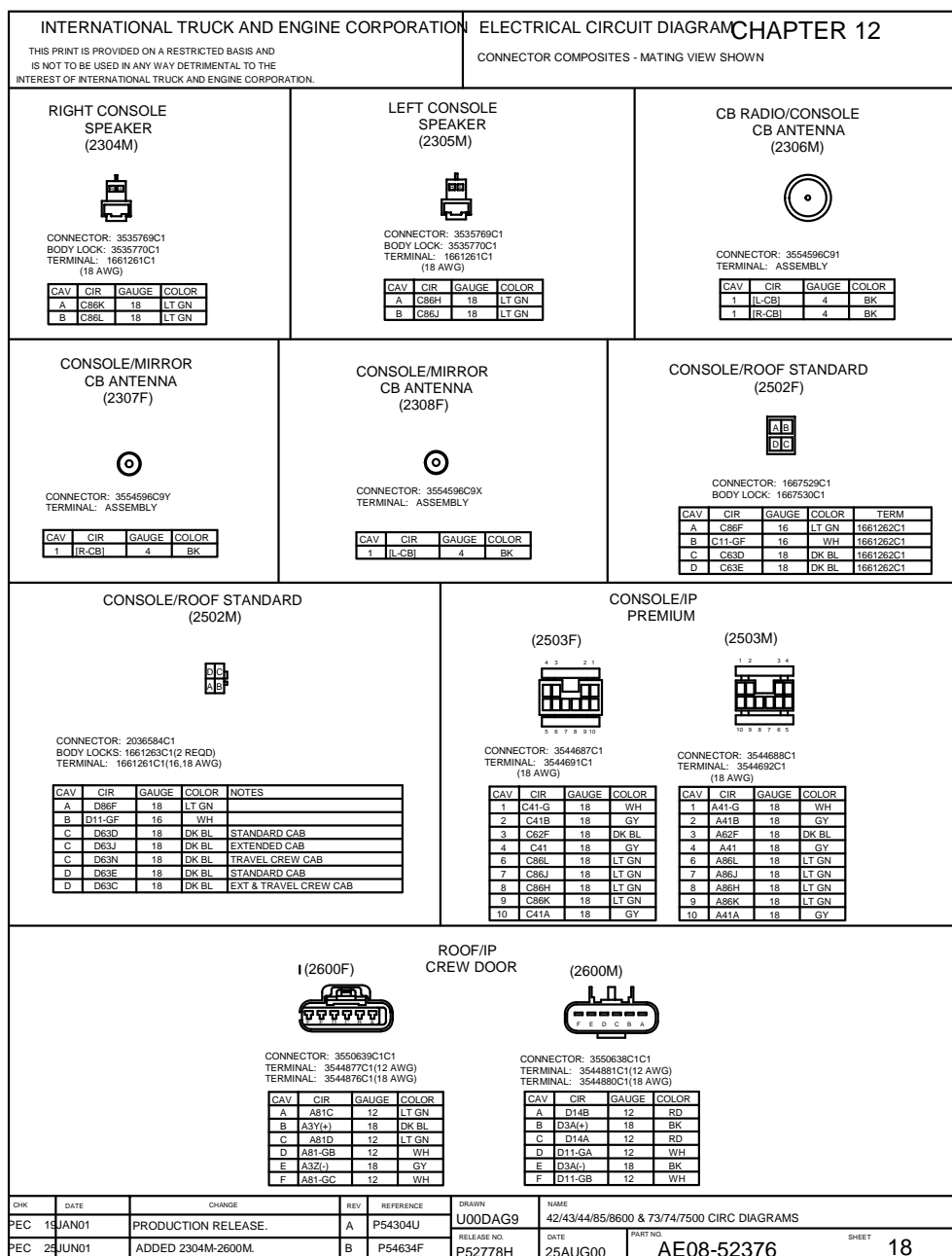


Figure 130 Connector Composites (2304M), (2305M), (2306M), (2307F), (2308F), (2502F), (2502M), (2503F, M), (2600F, M)

12.19. CONNECTOR COMPOSITES (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003), (3100M), (3200F, M), (3201M), (3202), (3203M), P. 19

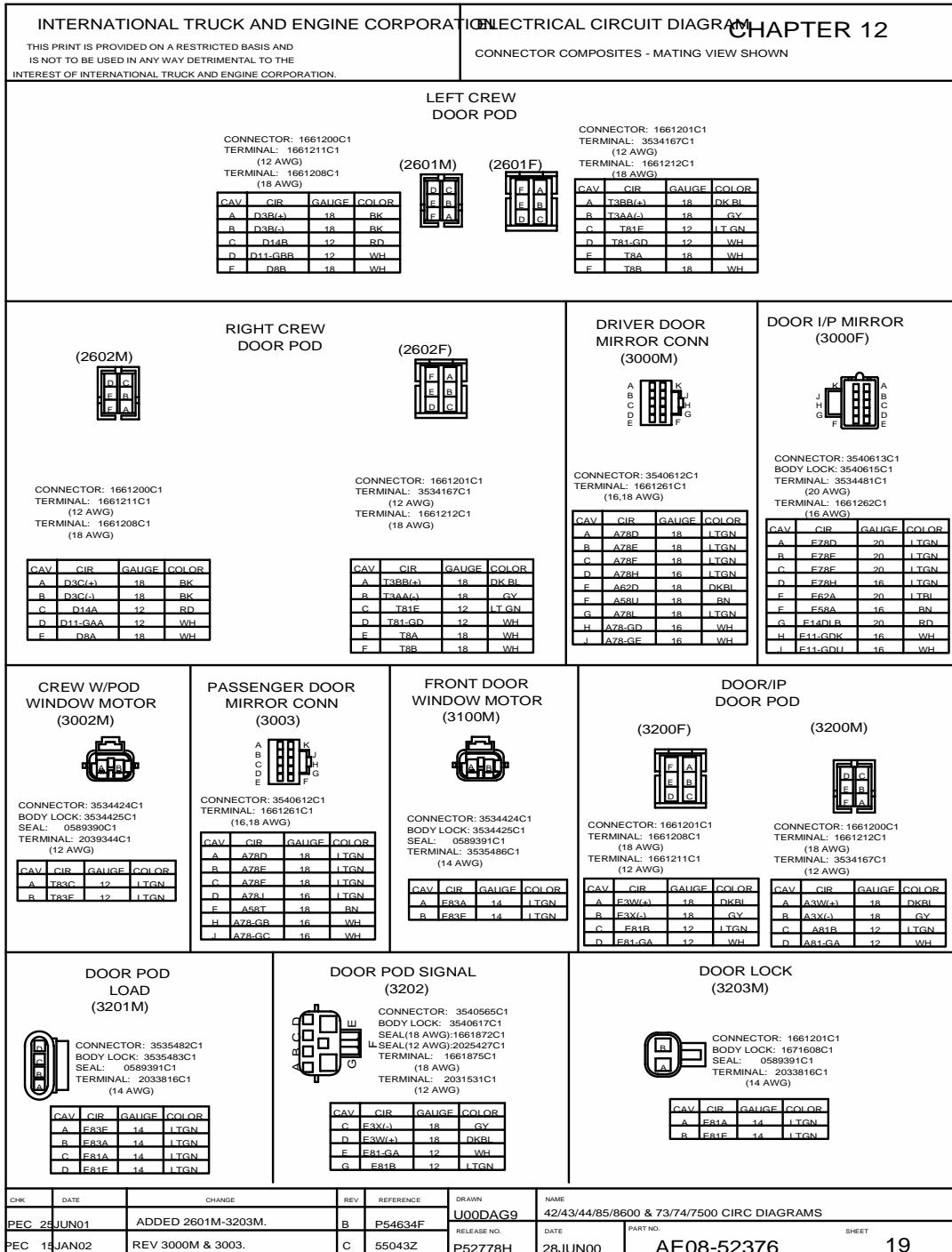


Figure 131 Connector Composites (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003), (3100M), (3200F, M), (3201M), (3202), (3203M)

12.20. CONNECTOR COMPOSITES (3204M, F), (3209), (3210M), (3211M), (4000), P. 20

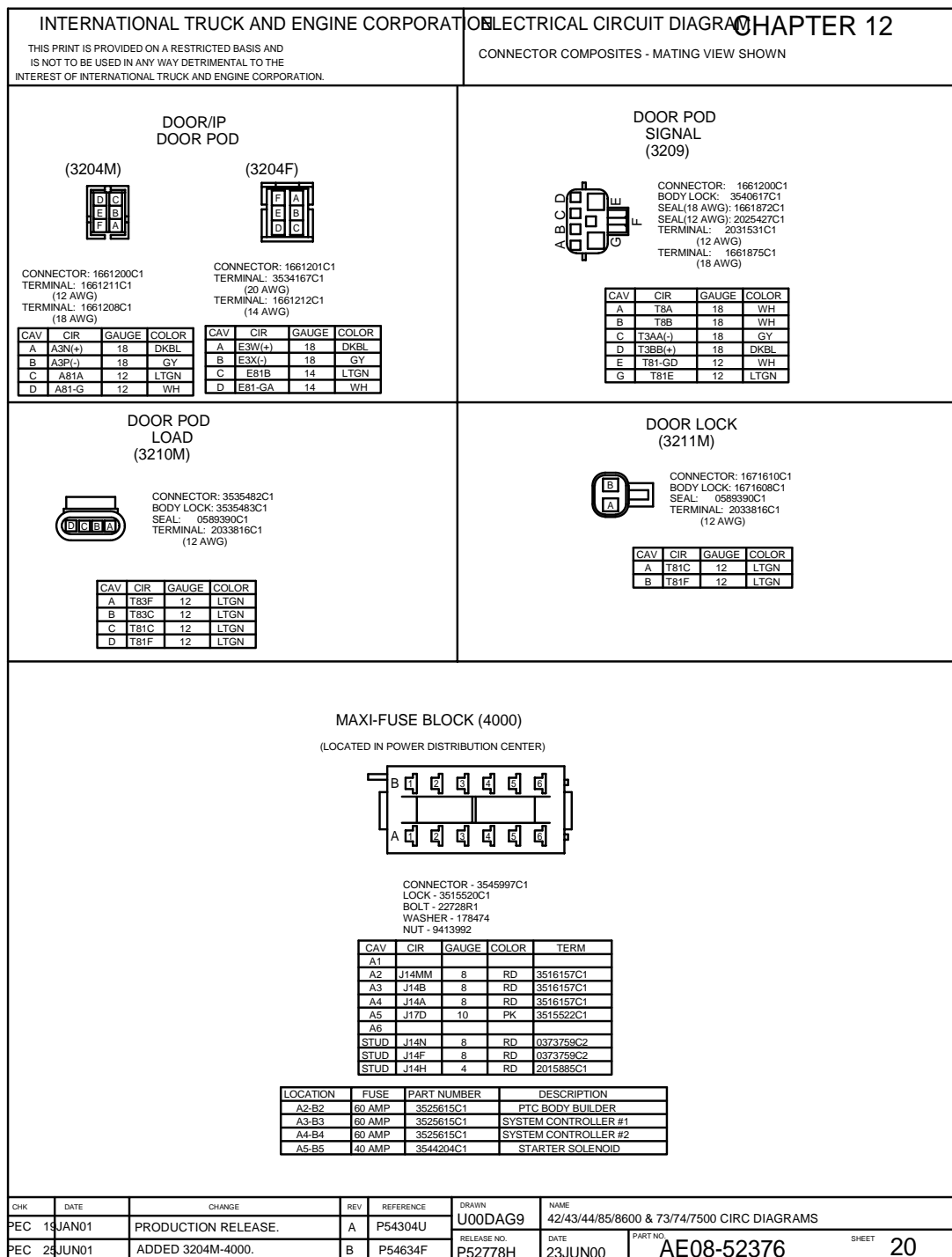


Figure 132 Connector Composites (3204M, F), (3209), (3210M), (3211M), (4000)

12.21. CONNECTOR COMPOSITE (4001), P. 21

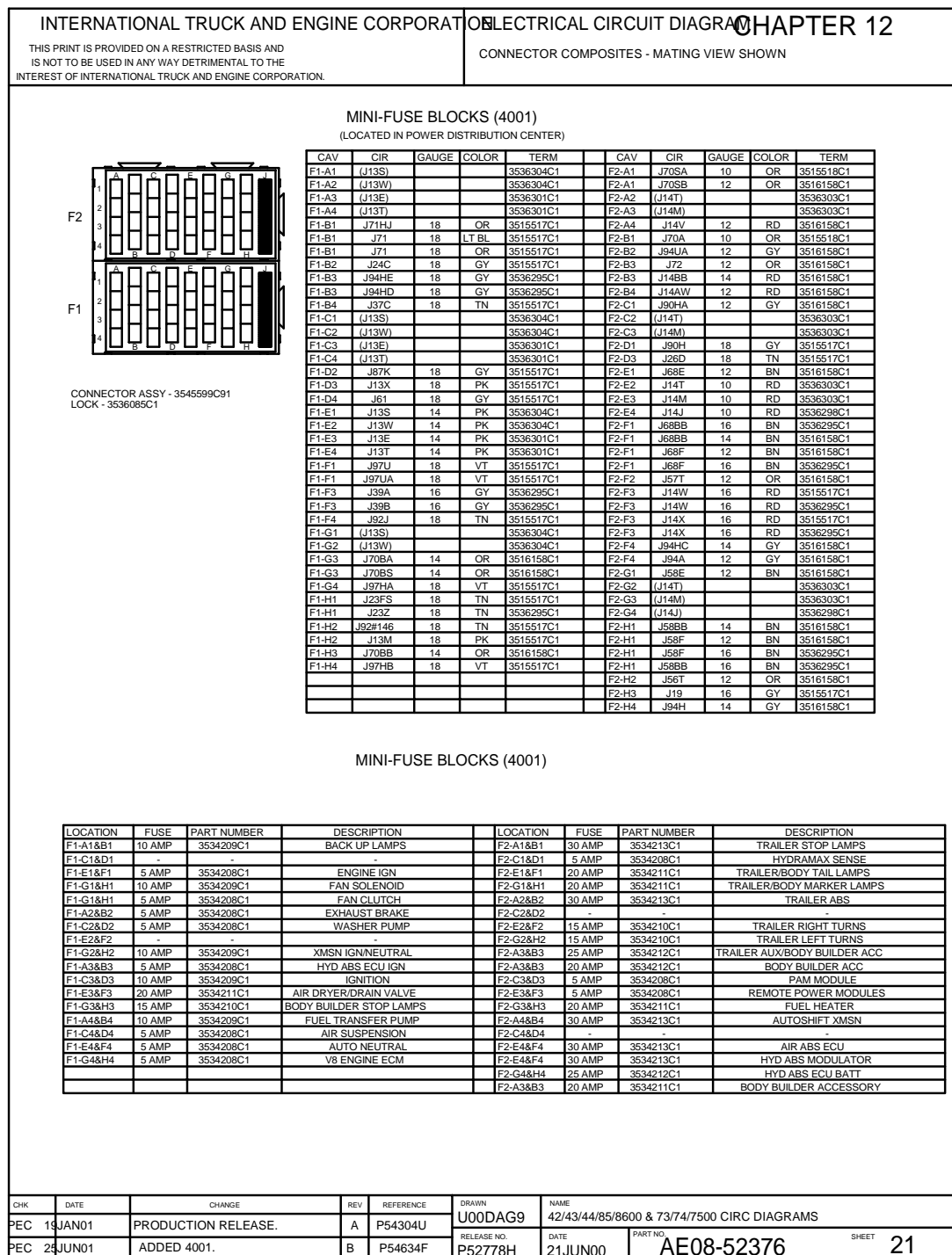


Figure 133 Connector Composite (4001)

12.22. CONNECTOR COMPOSITE (4002), P. 22

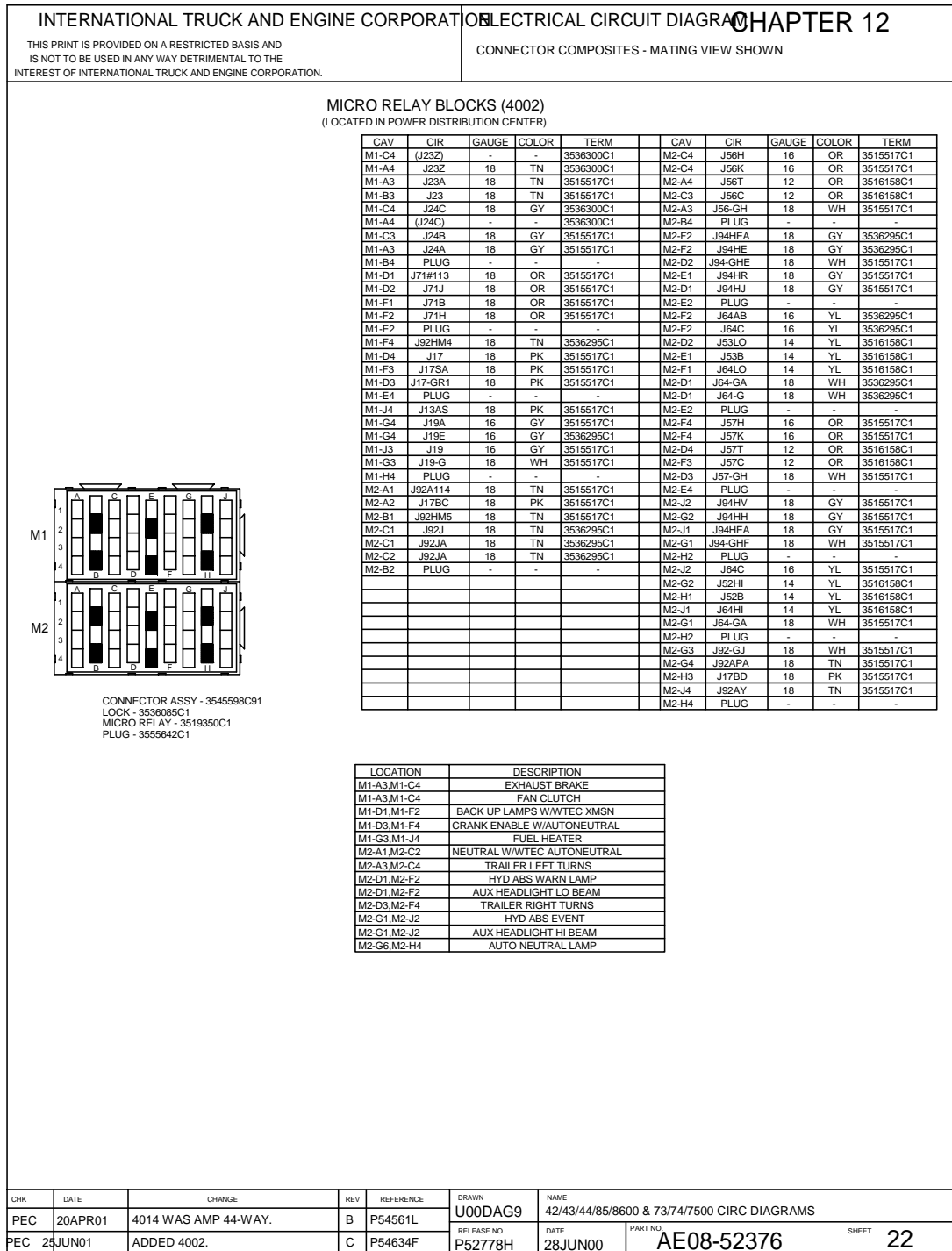


Figure 134 Connector Composite (4002)

12.23. CONNECTOR COMPOSITE (4003), P. 23

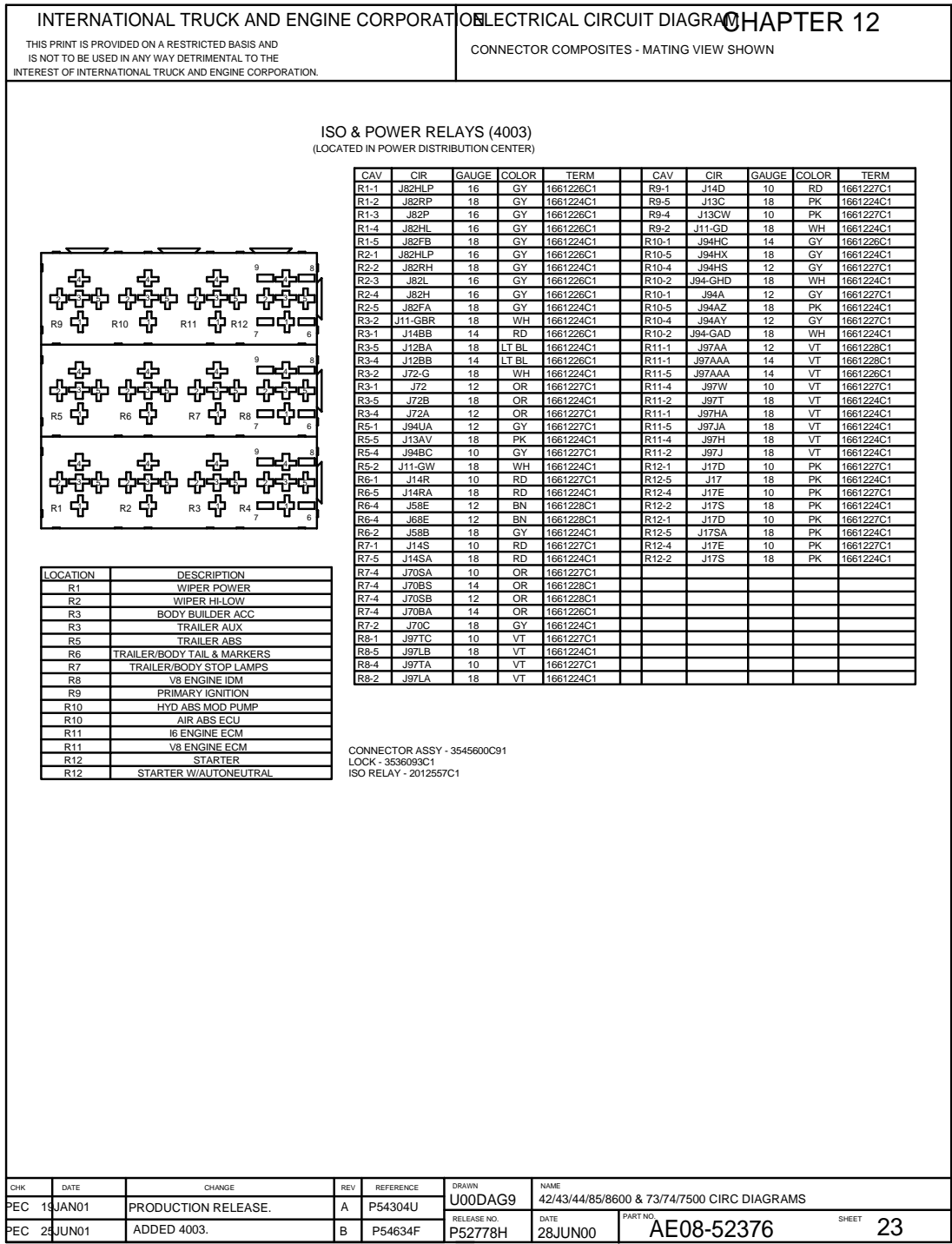


Figure 135 Connector Composite (4003)

12.24. CONNECTOR COMPOSITES (4004), (4007), (4008), (4009), (4010), P. 24

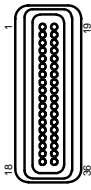



INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																										
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																																										
SYSTEM CONTROLLER (4004) (LOCATED ON EXTERIOR DASH PANEL LEFT SIDE)																																																																																																																																																																																																																															
	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>NOTES</th></tr> </thead> <tbody> <tr><td>1</td><td>J32A</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>2</td><td>J32</td><td>18</td><td>TN</td><td>3517243C1</td><td>W/AXLE TEMP</td></tr> <tr><td>3</td><td>J31</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>4</td><td>J36B</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>5</td><td>J36A</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>6</td><td>J77A</td><td>20</td><td>LT GN</td><td>3517243C1</td><td></td></tr> <tr><td>7</td><td>J77D</td><td>20</td><td>LT GN</td><td>3517243C1</td><td></td></tr> <tr><td>8</td><td>J77C</td><td>20</td><td>LT GN</td><td>3517243C1</td><td></td></tr> <tr><td>9</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>10</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>11</td><td>J19D</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>12</td><td>J87C</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>13</td><td>J94HH</td><td>18</td><td>GY</td><td>3517243C1</td><td>W/HYD ABS</td></tr> <tr><td>14</td><td>J40F</td><td>18</td><td>GY</td><td>3517243C1</td><td>W/AIR APP GAUGE</td></tr> <tr><td>15</td><td>J17BA</td><td>18</td><td>PK</td><td>3517243C1</td><td>W/WTEC AUTONEUTRAL</td></tr> <tr><td>16</td><td>J92C123</td><td>18</td><td>TN</td><td>3517243C1</td><td>W/WTEC N/AUTONEUTRAL</td></tr> <tr><td>17</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>18</td><td>J58B</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>19</td><td>J93</td><td>18</td><td>TN</td><td>3517243C1</td><td>W/2SPD AXLE&MAN XMSN</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	NOTES	1	J32A	18	TN	3517243C1		2	J32	18	TN	3517243C1	W/AXLE TEMP	3	J31	18	TN	3517243C1		4	J36B	18	TN	3517243C1		5	J36A	18	TN	3517243C1		6	J77A	20	LT GN	3517243C1		7	J77D	20	LT GN	3517243C1		8	J77C	20	LT GN	3517243C1		9	PLUG	-	-	-		10	PLUG	-	-	-		11	J19D	18	GY	3517243C1		12	J87C	18	GY	3517243C1		13	J94HH	18	GY	3517243C1	W/HYD ABS	14	J40F	18	GY	3517243C1	W/AIR APP GAUGE	15	J17BA	18	PK	3517243C1	W/WTEC AUTONEUTRAL	16	J92C123	18	TN	3517243C1	W/WTEC N/AUTONEUTRAL	17	PLUG	-	-	-		18	J58B	18	GY	3517243C1		19	J93	18	TN	3517243C1	W/2SPD AXLE&MAN XMSN	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> </thead> <tbody> <tr><td>19</td><td>J82DL</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>20</td><td>J82RH</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>21</td><td>J70C</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>22</td><td>J59C</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>23</td><td>J94HP</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>24</td><td>J59B</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>25</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>26</td><td>J9A</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>27</td><td>J6A</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>28</td><td>J90J</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>29</td><td>J82RP</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>30</td><td>J59D</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>31</td><td>J59A</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>32</td><td>J37D</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>33</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>34</td><td>J5M(+)</td><td>20</td><td>YL</td><td>3517243C1</td></tr> <tr><td>35</td><td>J5M(-)</td><td>20</td><td>GN</td><td>3517243C1</td></tr> <tr><td>36</td><td>J5M(S)</td><td>20</td><td>NONE</td><td>3517243C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	19	J82DL	18	TN	3517243C1	20	J82RH	18	GY	3517243C1	21	J70C	18	GY	3517243C1	22	J59C	18	GY	3517243C1	23	J94HP	18	GY	3517243C1	24	J59B	18	GY	3517243C1	25	PLUG	-	-	-	26	J9A	18	GY	3517243C1	27	J6A	18	GY	3517243C1	28	J90J	18	GY	3517243C1	29	J82RP	18	GY	3517243C1	30	J59D	18	GY	3517243C1	31	J59A	18	GY	3517243C1	32	J37D	18	TN	3517243C1	33	PLUG	-	-	-	34	J5M(+)	20	YL	3517243C1	35	J5M(-)	20	GN	3517243C1	36	J5M(S)	20	NONE	3517243C1
CAV	CIR	GAUGE	COLOR	TERM	NOTES																																																																																																																																																																																																																										
1	J32A	18	TN	3517243C1																																																																																																																																																																																																																											
2	J32	18	TN	3517243C1	W/AXLE TEMP																																																																																																																																																																																																																										
3	J31	18	TN	3517243C1																																																																																																																																																																																																																											
4	J36B	18	TN	3517243C1																																																																																																																																																																																																																											
5	J36A	18	TN	3517243C1																																																																																																																																																																																																																											
6	J77A	20	LT GN	3517243C1																																																																																																																																																																																																																											
7	J77D	20	LT GN	3517243C1																																																																																																																																																																																																																											
8	J77C	20	LT GN	3517243C1																																																																																																																																																																																																																											
9	PLUG	-	-	-																																																																																																																																																																																																																											
10	PLUG	-	-	-																																																																																																																																																																																																																											
11	J19D	18	GY	3517243C1																																																																																																																																																																																																																											
12	J87C	18	GY	3517243C1																																																																																																																																																																																																																											
13	J94HH	18	GY	3517243C1	W/HYD ABS																																																																																																																																																																																																																										
14	J40F	18	GY	3517243C1	W/AIR APP GAUGE																																																																																																																																																																																																																										
15	J17BA	18	PK	3517243C1	W/WTEC AUTONEUTRAL																																																																																																																																																																																																																										
16	J92C123	18	TN	3517243C1	W/WTEC N/AUTONEUTRAL																																																																																																																																																																																																																										
17	PLUG	-	-	-																																																																																																																																																																																																																											
18	J58B	18	GY	3517243C1																																																																																																																																																																																																																											
19	J93	18	TN	3517243C1	W/2SPD AXLE&MAN XMSN																																																																																																																																																																																																																										
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																											
19	J82DL	18	TN	3517243C1																																																																																																																																																																																																																											
20	J82RH	18	GY	3517243C1																																																																																																																																																																																																																											
21	J70C	18	GY	3517243C1																																																																																																																																																																																																																											
22	J59C	18	GY	3517243C1																																																																																																																																																																																																																											
23	J94HP	18	GY	3517243C1																																																																																																																																																																																																																											
24	J59B	18	GY	3517243C1																																																																																																																																																																																																																											
25	PLUG	-	-	-																																																																																																																																																																																																																											
26	J9A	18	GY	3517243C1																																																																																																																																																																																																																											
27	J6A	18	GY	3517243C1																																																																																																																																																																																																																											
28	J90J	18	GY	3517243C1																																																																																																																																																																																																																											
29	J82RP	18	GY	3517243C1																																																																																																																																																																																																																											
30	J59D	18	GY	3517243C1																																																																																																																																																																																																																											
31	J59A	18	GY	3517243C1																																																																																																																																																																																																																											
32	J37D	18	TN	3517243C1																																																																																																																																																																																																																											
33	PLUG	-	-	-																																																																																																																																																																																																																											
34	J5M(+)	20	YL	3517243C1																																																																																																																																																																																																																											
35	J5M(-)	20	GN	3517243C1																																																																																																																																																																																																																											
36	J5M(S)	20	NONE	3517243C1																																																																																																																																																																																																																											
CONNECTOR - 3533834C1 BACKSHELL - 3533832C1 CPA - 3533836C1 RETAINER - 3533833C1 COVER - 3533834C1 SEAL - 3533835C1 PLUG - 3518314C1																																																																																																																																																																																																																															
SYSTEM CONTROLLER BROWN (4007) (LOCATED ON EXTERIOR DASH PANEL LEFT SIDE)																																																																																																																																																																																																																															
	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th><th>NOTES</th></tr> </thead> <tbody> <tr><td>A</td><td>J64AB</td><td>16</td><td>YL</td><td>3535930C1</td><td>3535936C1</td><td>W/AUX HEADLIGHTS</td></tr> <tr><td>B</td><td>J64A</td><td>12</td><td>BN</td><td>3534163C1</td><td>3548945C1</td><td>W/FOG LIGHTS</td></tr> <tr><td>C</td><td>J57AA</td><td>16</td><td>OR</td><td>3535930C1</td><td>3535936C1</td><td></td></tr> <tr><td>D</td><td>J56AA</td><td>16</td><td>OR</td><td>3535930C1</td><td>3535936C1</td><td></td></tr> <tr><td>E</td><td>J53A</td><td>14</td><td>YL</td><td>3535931C1</td><td>3535937C1</td><td>N/AUX HEADLIGHTS</td></tr> <tr><td>F</td><td>J53LO</td><td>14</td><td>YL</td><td>3535931C1</td><td>3535937C1</td><td>W/AUX HEADLIGHTS</td></tr> <tr><td>G</td><td>J85AA</td><td>16</td><td>GY</td><td>3535930C1</td><td>3535936C1</td><td></td></tr> <tr><td>H</td><td>J65</td><td>16</td><td>OR</td><td>3535930C1</td><td>3535936C1</td><td></td></tr> <tr><td>I</td><td>J52HI</td><td>14</td><td>YL</td><td>3535931C1</td><td>3535937C1</td><td>W/AUX HEADLIGHTS</td></tr> <tr><td>J</td><td>J52A</td><td>14</td><td>YL</td><td>3535931C1</td><td>3535937C1</td><td>N/AUX HEADLIGHTS</td></tr> <tr><td>K</td><td>J58A</td><td>14</td><td>BN</td><td>3535931C1</td><td>3535937C1</td><td></td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES	A	J64AB	16	YL	3535930C1	3535936C1	W/AUX HEADLIGHTS	B	J64A	12	BN	3534163C1	3548945C1	W/FOG LIGHTS	C	J57AA	16	OR	3535930C1	3535936C1		D	J56AA	16	OR	3535930C1	3535936C1		E	J53A	14	YL	3535931C1	3535937C1	N/AUX HEADLIGHTS	F	J53LO	14	YL	3535931C1	3535937C1	W/AUX HEADLIGHTS	G	J85AA	16	GY	3535930C1	3535936C1		H	J65	16	OR	3535930C1	3535936C1		I	J52HI	14	YL	3535931C1	3535937C1	W/AUX HEADLIGHTS	J	J52A	14	YL	3535931C1	3535937C1	N/AUX HEADLIGHTS	K	J58A	14	BN	3535931C1	3535937C1		CONNECTOR - 3548934C1 LOCK - 3548943C1 PLUG - 3535938C1																																																																																																																																						
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																																																																																																																																									
A	J64AB	16	YL	3535930C1	3535936C1	W/AUX HEADLIGHTS																																																																																																																																																																																																																									
B	J64A	12	BN	3534163C1	3548945C1	W/FOG LIGHTS																																																																																																																																																																																																																									
C	J57AA	16	OR	3535930C1	3535936C1																																																																																																																																																																																																																										
D	J56AA	16	OR	3535930C1	3535936C1																																																																																																																																																																																																																										
E	J53A	14	YL	3535931C1	3535937C1	N/AUX HEADLIGHTS																																																																																																																																																																																																																									
F	J53LO	14	YL	3535931C1	3535937C1	W/AUX HEADLIGHTS																																																																																																																																																																																																																									
G	J85AA	16	GY	3535930C1	3535936C1																																																																																																																																																																																																																										
H	J65	16	OR	3535930C1	3535936C1																																																																																																																																																																																																																										
I	J52HI	14	YL	3535931C1	3535937C1	W/AUX HEADLIGHTS																																																																																																																																																																																																																									
J	J52A	14	YL	3535931C1	3535937C1	N/AUX HEADLIGHTS																																																																																																																																																																																																																									
K	J58A	14	BN	3535931C1	3535937C1																																																																																																																																																																																																																										
SYSTEM CONTROLLER BLUE (4008) (LOCATED ON EXTERIOR DASH PANEL LEFT SIDE)																																																																																																																																																																																																																															
	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th><th>NOTES</th></tr> </thead> <tbody> <tr><td>A</td><td>J59F</td><td>16</td><td>GY</td><td>3535930C1</td><td>3535936C1</td><td>W/SOLENOID 7-PACK</td></tr> <tr><td>B</td><td>J59E</td><td>14</td><td>GY</td><td>3535931C1</td><td>3535937C1</td><td>W/SOLENOID 4-PACK</td></tr> <tr><td>C</td><td>J57J</td><td>16</td><td>OR</td><td>3535930C1</td><td>3535936C1</td><td></td></tr> <tr><td>D</td><td>J56J</td><td>16</td><td>OR</td><td>3535930C1</td><td>3535936C1</td><td></td></tr> <tr><td>E</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>F</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>G</td><td>J82F</td><td>16</td><td>GY</td><td>3535930C1</td><td>3535936C1</td><td></td></tr> <tr><td>H</td><td>J77B</td><td>16</td><td>LT GN</td><td>3535930C1</td><td>3535936C1</td><td></td></tr> <tr><td>I</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES	A	J59F	16	GY	3535930C1	3535936C1	W/SOLENOID 7-PACK	B	J59E	14	GY	3535931C1	3535937C1	W/SOLENOID 4-PACK	C	J57J	16	OR	3535930C1	3535936C1		D	J56J	16	OR	3535930C1	3535936C1		E	PLUG	-	-	-	-		F	PLUG	-	-	-	-		G	J82F	16	GY	3535930C1	3535936C1		H	J77B	16	LT GN	3535930C1	3535936C1		I	PLUG	-	-	-	-		CONNECTOR - 3548933C1 LOCK - 3548943C1 PLUG - 3535938C1																																																																																																																																																				
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																																																																																																																																									
A	J59F	16	GY	3535930C1	3535936C1	W/SOLENOID 7-PACK																																																																																																																																																																																																																									
B	J59E	14	GY	3535931C1	3535937C1	W/SOLENOID 4-PACK																																																																																																																																																																																																																									
C	J57J	16	OR	3535930C1	3535936C1																																																																																																																																																																																																																										
D	J56J	16	OR	3535930C1	3535936C1																																																																																																																																																																																																																										
E	PLUG	-	-	-	-																																																																																																																																																																																																																										
F	PLUG	-	-	-	-																																																																																																																																																																																																																										
G	J82F	16	GY	3535930C1	3535936C1																																																																																																																																																																																																																										
H	J77B	16	LT GN	3535930C1	3535936C1																																																																																																																																																																																																																										
I	PLUG	-	-	-	-																																																																																																																																																																																																																										
SYSTEM CONTROLLER POWER FEED #2 (4009) (LOCATED NEAR EXTERIOR DASH PANEL LEFT SIDE)					SYSTEM CONTROLLER POWER FEED #1 (4010) (LOCATED NEAR EXTERIOR DASH PANEL LEFT SIDE)																																																																																																																																																																																																																										
	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> </thead> <tbody> <tr> <td>A</td> <td>J14B</td> <td>8</td> <td>RD</td> <td>3517818C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	J14B	8	RD	3517818C1	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> </thead> <tbody> <tr> <td>A</td> <td>J14A</td> <td>8</td> <td>RD</td> <td>3517439C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	J14A	8	RD	3517439C1																																																																																																																																																																																																			
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																											
A	J14B	8	RD	3517818C1																																																																																																																																																																																																																											
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																											
A	J14A	8	RD	3517439C1																																																																																																																																																																																																																											
CONNECTOR - 3517817C1					CONNECTOR - 3517441C1																																																																																																																																																																																																																										
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																																																																																																																									
PEC	15JAN01	PRODUCTION RELEASE.	A	P54304U	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																																																																																																																																									
PEC	25JUN01	ADDED 4004-4010.	B	P54634F	P52778H	DATE	PART NO.	SHEET																																																																																																																																																																																																																							
						26JUN00	AE08-52376	24																																																																																																																																																																																																																							

Figure 136 Connector Composites (4004), (4007), (4008), (4009), (4010)

12.25. CONNECTOR COMPOSITE (4014), P. 25

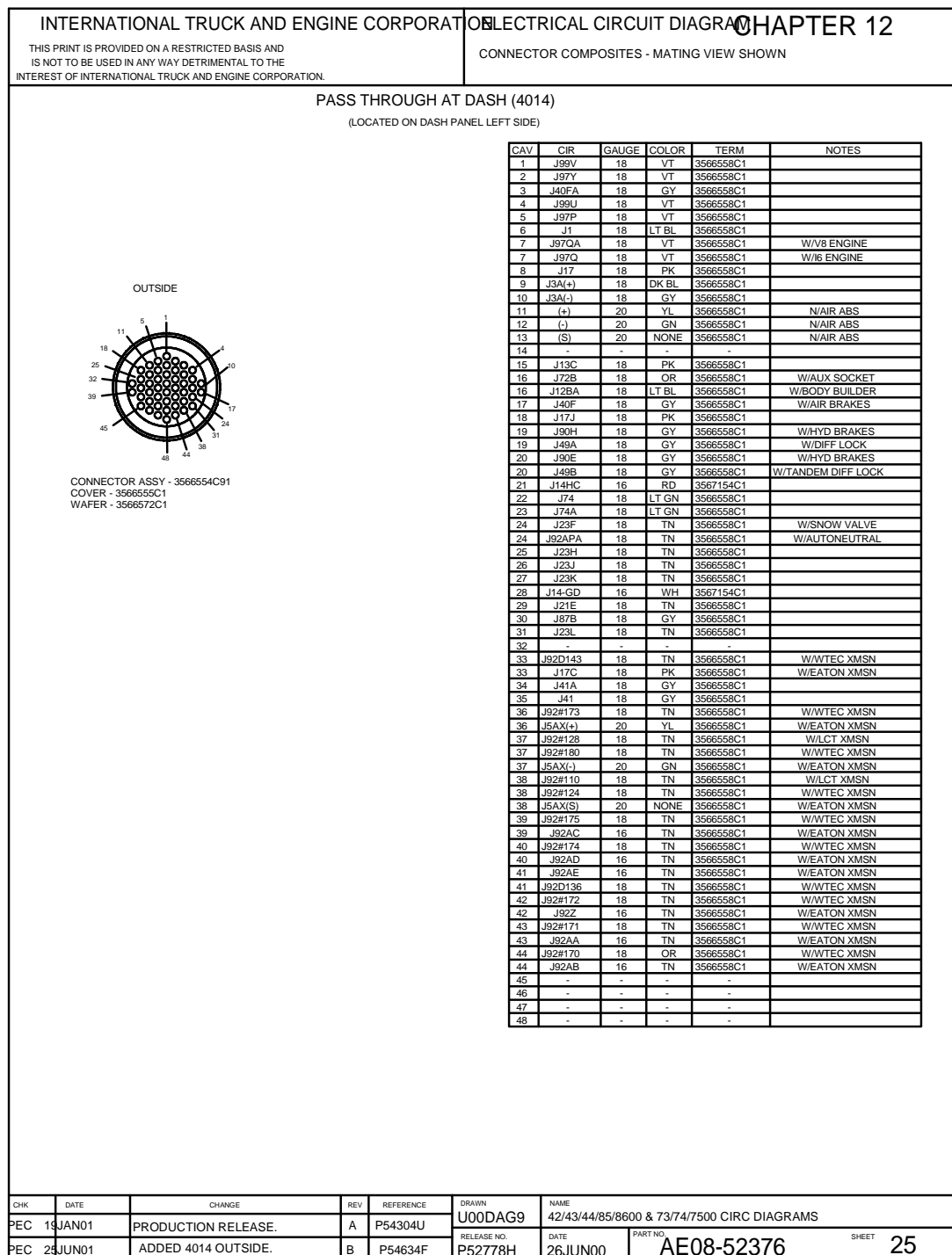


Figure 137 Connector Composite (4014)

12.26. CONNECTOR COMPOSITE (4014), P. 26

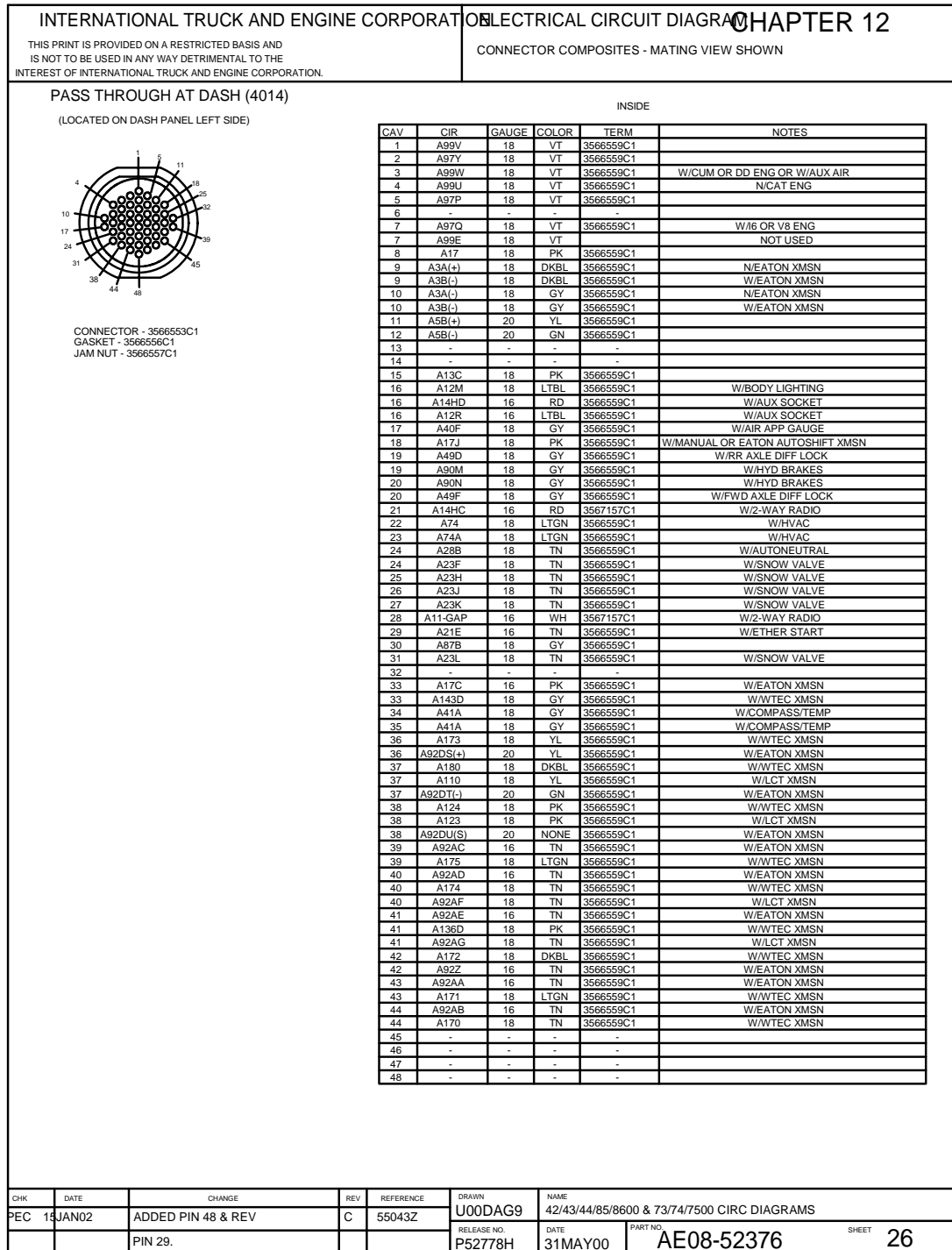


Figure 138 Connector Composite (4014)

12.27. CONNECTOR COMPOSITES (4015), (4017), (4018), (4019), (4020), (4021), (4022), (4023), P. 27

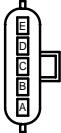







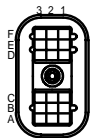
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																							
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																							
<p align="center">WIPER MOTOR (4015) (LOCATED ON EXTERIOR DASH PANEL, CENTER)</p>  <table border="1" style="width:100%; font-size: x-small;"> <thead> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> </thead> <tbody> <tr><td>A</td><td>J82B</td><td>16</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J82P</td><td>16</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>J82-G</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>D</td><td>J82H</td><td>16</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>E</td><td>J82L</td><td>16</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> </tbody> </table> <p>CONNECTOR - 1661375C2 LOCK - 1661376C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J82B	16	GY	2033819C1	1652325C1	B	J82P	16	GY	2033819C1	1652325C1	C	J82-G	16	WH	2033819C1	1652325C1	D	J82H	16	GY	2033819C1	1652325C1	E	J82L	16	GY	2033819C1	1652325C1	<p align="center">HVAC RECIRC MOTOR (4017) (LOCATED ON EXTERIOR DASH PANEL, RIGHT SIDE)</p>  <table border="1" style="width:100%; font-size: x-small;"> <thead> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> </thead> <tbody> <tr><td>A</td><td>J74</td><td>18</td><td>LT GN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>D</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>E</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F</td><td>J74A</td><td>18</td><td>LT GN</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table> <p>CONNECTOR - 2011340C1 LOCK - 2011364C1 PLUG - 2025431C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J74	18	LT GN	1661875C1	1661872C1	B	PLUG	-	-	-	-	C	PLUG	-	-	-	-	D	PLUG	-	-	-	-	E	PLUG	-	-	-	-	F	J74A	18	LT GN	1661875C1	1661872C1																						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
A	J82B	16	GY	2033819C1	1652325C1																																																																																																						
B	J82P	16	GY	2033819C1	1652325C1																																																																																																						
C	J82-G	16	WH	2033819C1	1652325C1																																																																																																						
D	J82H	16	GY	2033819C1	1652325C1																																																																																																						
E	J82L	16	GY	2033819C1	1652325C1																																																																																																						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
A	J74	18	LT GN	1661875C1	1661872C1																																																																																																						
B	PLUG	-	-	-	-																																																																																																						
C	PLUG	-	-	-	-																																																																																																						
D	PLUG	-	-	-	-																																																																																																						
E	PLUG	-	-	-	-																																																																																																						
F	J74A	18	LT GN	1661875C1	1661872C1																																																																																																						
<p align="center">A/C ACCUMULATOR THERMISTOR #2 (4018) (LOCATED ON EXTERIOR DASH PANEL RIGHT SIDE)</p>  <table border="1" style="width:100%; font-size: x-small;"> <thead> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> </thead> <tbody> <tr><td>A</td><td>J77A</td><td>20</td><td>LT GN</td><td>3536590C1</td></tr> <tr><td>B</td><td>J9J</td><td>20</td><td>GY</td><td>3536590C1</td></tr> </tbody> </table> <p>CONNECTOR - 3535379C1 LOCK - 3536591C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	J77A	20	LT GN	3536590C1	B	J9J	20	GY	3536590C1	<p align="center">A/C ACCUMULATOR THERMISTOR #1 (4019) (LOCATED ON EXTERIOR DASH PANEL RIGHT SIDE)</p>  <table border="1" style="width:100%; font-size: x-small;"> <thead> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> </thead> <tbody> <tr><td>A</td><td>J77D</td><td>20</td><td>LT GN</td><td>3536590C1</td></tr> <tr><td>B</td><td>J9K</td><td>20</td><td>GY</td><td>3536590C1</td></tr> </tbody> </table> <p>CONNECTOR - 3535379C1 LOCK - 3536591C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	J77D	20	LT GN	3536590C1	B	J9K	20	GY	3536590C1																																																																						
CAV	CIR	GAUGE	COLOR	TERM																																																																																																							
A	J77A	20	LT GN	3536590C1																																																																																																							
B	J9J	20	GY	3536590C1																																																																																																							
CAV	CIR	GAUGE	COLOR	TERM																																																																																																							
A	J77D	20	LT GN	3536590C1																																																																																																							
B	J9K	20	GY	3536590C1																																																																																																							
<p align="center">FUEL FILTER & WARN LIGHTS (4020) (LOCATED NEAR WIPER MOTOR BRACKET)</p>  <table border="1" style="width:100%; font-size: x-small;"> <thead> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> </thead> <tbody> <tr><td>A</td><td>J19A</td><td>16</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J19B</td><td>16</td><td>GY</td><td>2033819C1</td><td>3517771C1</td></tr> <tr><td>C</td><td>J19C</td><td>16</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> </tbody> </table> <p>DASH HARNESS CONNECTOR - 1668634C1 LOCK - 1664408C1 PLUG - 0587579C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J19A	16	GY	2033819C1	1652325C1	B	J19B	16	GY	2033819C1	3517771C1	C	J19C	16	GY	2033819C1	1652325C1	<p align="center">FUEL FILTER & WARN LIGHTS (4020) (LOCATED NEAR WIPER MOTOR BRACKET)</p>  <table border="1" style="width:100%; font-size: x-small;"> <thead> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> </thead> <tbody> <tr><td>A</td><td>J19A</td><td>16</td><td>GY</td><td>2033911C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J19B</td><td>16</td><td>GY</td><td>2033911C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>J19C</td><td>16</td><td>GY</td><td>2033911C1</td><td>1652325C1</td></tr> </tbody> </table> <p>ENGINE HARNESS CONNECTOR - 3553961C1 LOCK - 3554019C1 PLUG - 0587579C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J19A	16	GY	2033911C1	1652325C1	B	J19B	16	GY	2033911C1	1652325C1	C	J19C	16	GY	2033911C1	1652325C1																																																				
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
A	J19A	16	GY	2033819C1	1652325C1																																																																																																						
B	J19B	16	GY	2033819C1	3517771C1																																																																																																						
C	J19C	16	GY	2033819C1	1652325C1																																																																																																						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
A	J19A	16	GY	2033911C1	1652325C1																																																																																																						
B	J19B	16	GY	2033911C1	1652325C1																																																																																																						
C	J19C	16	GY	2033911C1	1652325C1																																																																																																						
<p align="center">WASHER PUMP (4021) (LOCATED AT WASHER BOTTLE)</p>  <table border="1" style="width:100%; font-size: x-small;"> <thead> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> </thead> <tbody> <tr><td>1</td><td>J87B</td><td>18</td><td>GY</td><td>3554326C1</td><td>3554319C1</td></tr> <tr><td>2</td><td>J87K</td><td>18</td><td>GY</td><td>3554326C1</td><td>3554319C1</td></tr> </tbody> </table> <p>CONNECTOR - 35554294C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	J87B	18	GY	3554326C1	3554319C1	2	J87K	18	GY	3554326C1	3554319C1	<p align="center">WASHER FLUID LEVEL SENSOR (4022) (LOCATED AT WASHER BOTTLE)</p>  <table border="1" style="width:100%; font-size: x-small;"> <thead> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> </thead> <tbody> <tr><td>1</td><td>J87C</td><td>18</td><td>GY</td><td>3554322C1</td><td>3554318C1</td></tr> <tr><td>2</td><td>J87H</td><td>18</td><td>GY</td><td>3554322C1</td><td>3554318C1</td></tr> </tbody> </table> <p>CONNECTOR - 3554317C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	J87C	18	GY	3554322C1	3554318C1	2	J87H	18	GY	3554322C1	3554318C1																																																																
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
1	J87B	18	GY	3554326C1	3554319C1																																																																																																						
2	J87K	18	GY	3554326C1	3554319C1																																																																																																						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
1	J87C	18	GY	3554322C1	3554318C1																																																																																																						
2	J87H	18	GY	3554322C1	3554318C1																																																																																																						
<p align="center">AIR ABS ECU #2 (4023) (LOCATED NEAR EXTERIOR DASH PANEL LEFT SIDE ON ABS CONTROLLER)</p>  <table border="1" style="width:100%; font-size: x-small;"> <thead> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> </thead> <tbody> <tr><td>A1</td><td>J94AH</td><td>18</td><td>GY</td><td>1651943C1</td><td>D1</td><td>J94AC</td><td>18</td><td>GY</td><td>1651943C1</td></tr> <tr><td>A2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>D2</td><td>J94ATC</td><td>18</td><td>GY</td><td>1651943C1</td></tr> <tr><td>A3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>D3</td><td>J94ATR</td><td>18</td><td>GY</td><td>1651943C1</td></tr> <tr><td>B1</td><td>J94AJ</td><td>18</td><td>GY</td><td>1651943C1</td><td>E1</td><td>J94AE</td><td>18</td><td>GY</td><td>1651943C1</td></tr> <tr><td>B2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>E2</td><td>J94AL</td><td>18</td><td>GY</td><td>1651943C1</td></tr> <tr><td>B3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>E3</td><td>J94AK</td><td>18</td><td>GY</td><td>1651943C1</td></tr> <tr><td>C1</td><td>J94AF</td><td>18</td><td>GY</td><td>1651943C1</td><td>F1</td><td>J94AD</td><td>18</td><td>GY</td><td>1651943C1</td></tr> <tr><td>C2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>F2</td><td>J94AB</td><td>18</td><td>GY</td><td>1651943C1</td></tr> <tr><td>C3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>F3</td><td>J94AA</td><td>18</td><td>GY</td><td>1651943C1</td></tr> </tbody> </table> <p>CONNECTOR - 2010376C1 PLUG - 1687788C1</p>								CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM	A1	J94AH	18	GY	1651943C1	D1	J94AC	18	GY	1651943C1	A2	PLUG	-	-	-	D2	J94ATC	18	GY	1651943C1	A3	PLUG	-	-	-	D3	J94ATR	18	GY	1651943C1	B1	J94AJ	18	GY	1651943C1	E1	J94AE	18	GY	1651943C1	B2	PLUG	-	-	-	E2	J94AL	18	GY	1651943C1	B3	PLUG	-	-	-	E3	J94AK	18	GY	1651943C1	C1	J94AF	18	GY	1651943C1	F1	J94AD	18	GY	1651943C1	C2	PLUG	-	-	-	F2	J94AB	18	GY	1651943C1	C3	PLUG	-	-	-	F3	J94AA	18	GY	1651943C1
CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM																																																																																																		
A1	J94AH	18	GY	1651943C1	D1	J94AC	18	GY	1651943C1																																																																																																		
A2	PLUG	-	-	-	D2	J94ATC	18	GY	1651943C1																																																																																																		
A3	PLUG	-	-	-	D3	J94ATR	18	GY	1651943C1																																																																																																		
B1	J94AJ	18	GY	1651943C1	E1	J94AE	18	GY	1651943C1																																																																																																		
B2	PLUG	-	-	-	E2	J94AL	18	GY	1651943C1																																																																																																		
B3	PLUG	-	-	-	E3	J94AK	18	GY	1651943C1																																																																																																		
C1	J94AF	18	GY	1651943C1	F1	J94AD	18	GY	1651943C1																																																																																																		
C2	PLUG	-	-	-	F2	J94AB	18	GY	1651943C1																																																																																																		
C3	PLUG	-	-	-	F3	J94AA	18	GY	1651943C1																																																																																																		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																					
PEC	19JAN01	PRODUCTION RELEASE.	A	P54304U	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																					
PEC	25JUN01	ADDED 4015-4023.	B	P54634F	P52778H	DATE	PART NO. SHEET																																																																																																				
						26JUN00	AE08-52376 27																																																																																																				

Figure 139 Connector Composites (4015), (4017), (4018), (4019), (4020), (4021), (4022), (4023)

12.28. CONNECTOR COMPOSITES (4024), (4030), (4031), (4032), (4033), (4040), (4041), (4050), (4051), (4052), P. 28

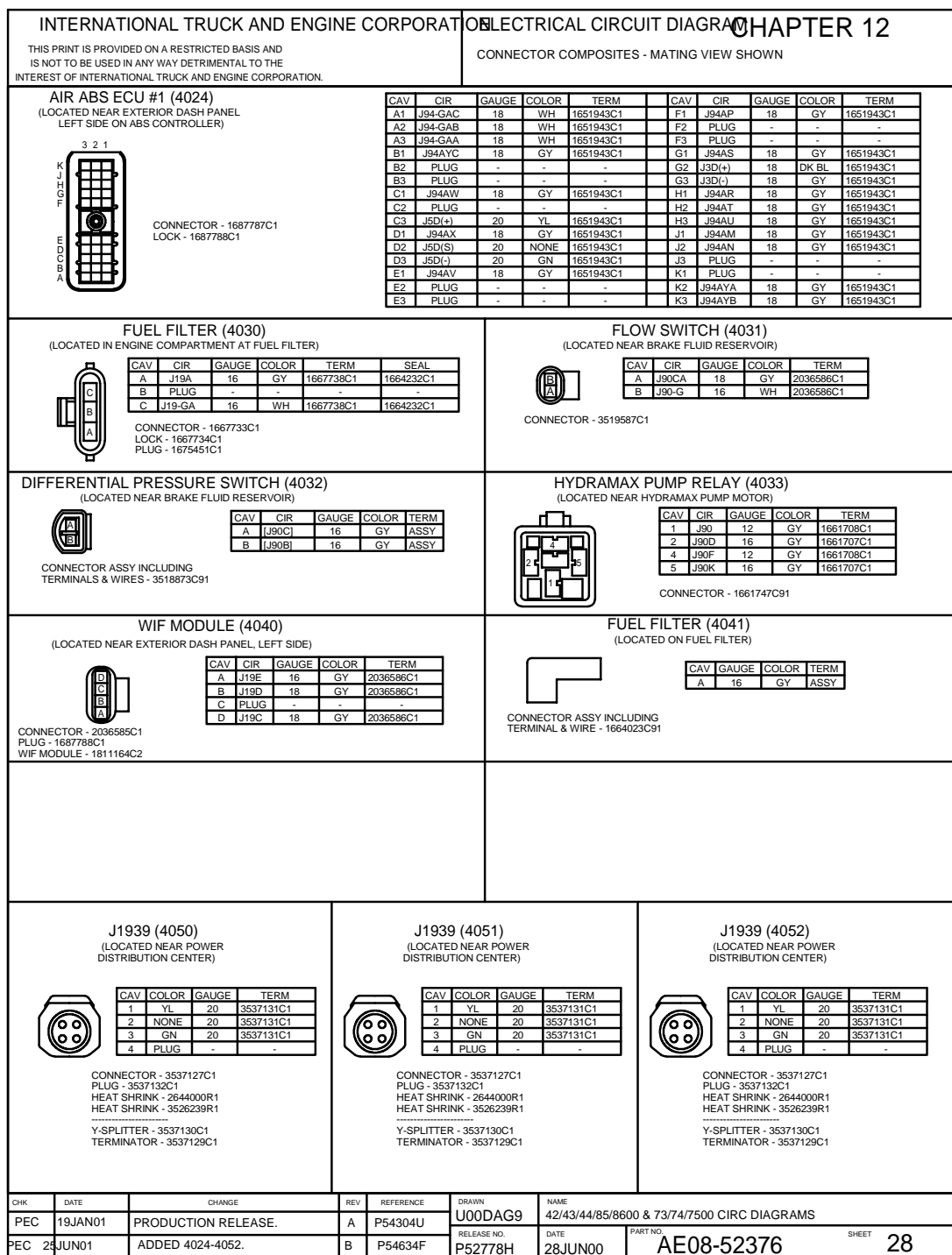


Figure 140 Connector Composites (4024), (4030), (4031), (4032), (4033), (4040), (4041), (4050), (4051), (4052)

12.29. CONNECTOR COMPOSITES (4054), (4056), (4058), (4060), (4061), (4062), (4087), (4098), (4070), (4071), P. 29

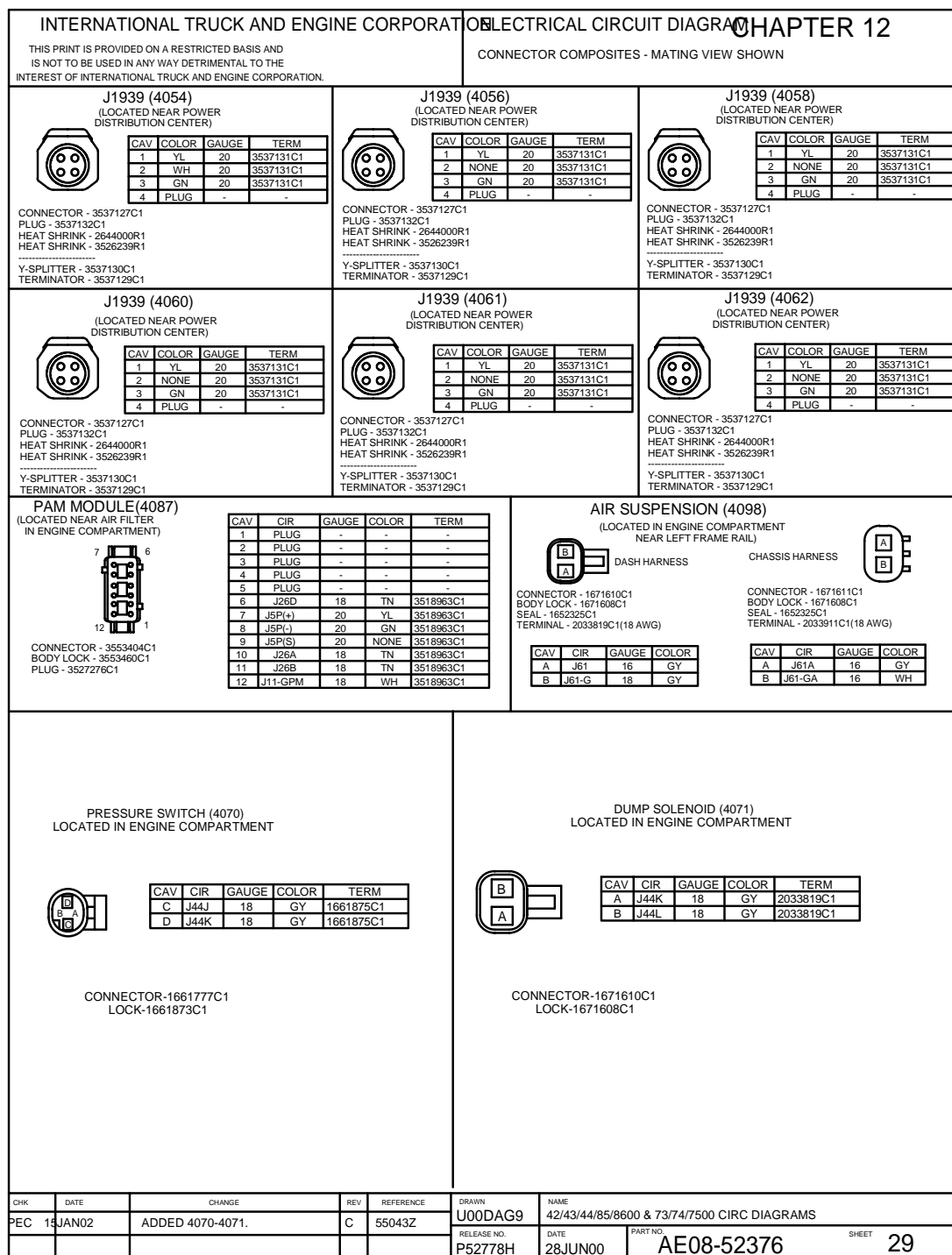


Figure 141 Connector Composites (4054), (4056), (4058), (4060), (4061), (4062), (4087), (4098), (4070), (4071)

12.30. CONNECTOR COMPOSITE (4103), P. 30

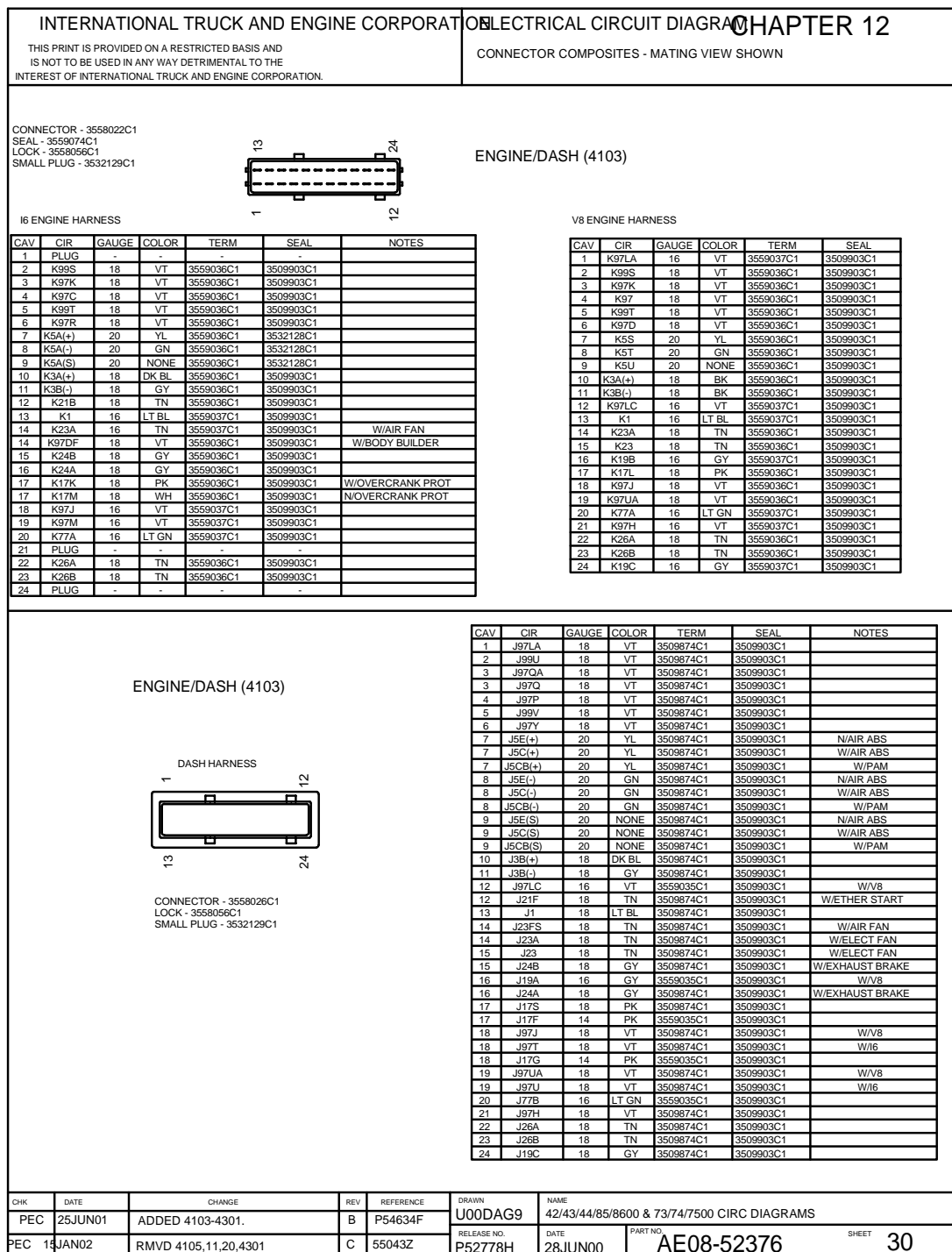


Figure 142 Connector Composite (4103)

12.31. CONNECTOR COMPOSITES (4105), (4111), (4120), (4301), P. 31

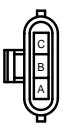
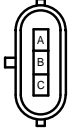

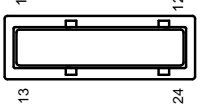
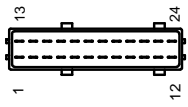
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
ENGINE HARNESS 				ECM POWER/STARTER (4105) (LOCATED NEAR WIPER MOTOR BRACKET)				DASH HARNESS 																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
<table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th><th>NOTES</th></tr> <tr><td>A</td><td>K97W</td><td>10</td><td>VT</td><td>1667737C1</td><td>1667735C1</td><td>W/I6</td></tr> <tr><td>A</td><td>K97T</td><td>10</td><td>VT</td><td>1667737C1</td><td>1667735C1</td><td>W/V8</td></tr> <tr><td>B</td><td>K97AA</td><td>10</td><td>VT</td><td>1667737C1</td><td>1667735C1</td><td>W/I6</td></tr> <tr><td>B</td><td>K97X</td><td>10</td><td>VT</td><td>1667737C1</td><td>1667735C1</td><td>W/V8</td></tr> <tr><td>C</td><td>K17C</td><td>10</td><td>PK</td><td>1667737C1</td><td>1667735C1</td><td></td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES	A	K97W	10	VT	1667737C1	1667735C1	W/I6	A	K97T	10	VT	1667737C1	1667735C1	W/V8	B	K97AA	10	VT	1667737C1	1667735C1	W/I6	B	K97X	10	VT	1667737C1	1667735C1	W/V8	C	K17C	10	PK	1667737C1	1667735C1		<table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th><th>NOTES</th></tr> <tr><td>A</td><td>J97W</td><td>10</td><td>VT</td><td>2025425C1</td><td>1667735C1</td><td>W/I6</td></tr> <tr><td>A</td><td>J97TA</td><td>10</td><td>VT</td><td>2025425C1</td><td>1667735C1</td><td>W/V8</td></tr> <tr><td>B</td><td>J97AA</td><td>12</td><td>VT</td><td>2025424C1</td><td>1671603C1</td><td>W/I6</td></tr> <tr><td>B</td><td>J97XA</td><td>10</td><td>VT</td><td>2025425C1</td><td>1667735C1</td><td>W/V8</td></tr> <tr><td>C</td><td>J17E</td><td>10</td><td>PK</td><td>2025425C1</td><td>1667735C1</td><td></td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES	A	J97W	10	VT	2025425C1	1667735C1	W/I6	A	J97TA	10	VT	2025425C1	1667735C1	W/V8	B	J97AA	12	VT	2025424C1	1671603C1	W/I6	B	J97XA	10	VT	2025425C1	1667735C1	W/V8	C	J17E	10	PK	2025425C1	1667735C1		CONNECTOR - 1667733C1 LOCK - 1667734C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
A	K97W	10	VT	1667737C1	1667735C1	W/I6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
A	K97T	10	VT	1667737C1	1667735C1	W/V8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
B	K97AA	10	VT	1667737C1	1667735C1	W/I6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
B	K97X	10	VT	1667737C1	1667735C1	W/V8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
C	K17C	10	PK	1667737C1	1667735C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
A	J97W	10	VT	2025425C1	1667735C1	W/I6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
A	J97TA	10	VT	2025425C1	1667735C1	W/V8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
B	J97AA	12	VT	2025424C1	1671603C1	W/I6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
B	J97XA	10	VT	2025425C1	1667735C1	W/V8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
C	J17E	10	PK	2025425C1	1667735C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				FAN AIR SOLENOID (4111) (LOCATED NEAR WIPER MOTOR BRACKET)				SNOW VALVE (4120) (LOCATED ON AIR INTAKE FILTER)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
<table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th><th>NOTES</th></tr> <tr><td>A</td><td>K23B</td><td>18</td><td>TN</td><td>2033819C1</td><td>1652325C1</td><td>W/BODY BUILDER</td></tr> <tr><td>A</td><td>K23A</td><td>16</td><td>TN</td><td>1652325C1</td><td>1652325C1</td><td>N/BODY BUILDER</td></tr> <tr><td>B</td><td>K97B</td><td>18</td><td>VT</td><td>2033819C1</td><td>1652325C1</td><td></td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES	A	K23B	18	TN	2033819C1	1652325C1	W/BODY BUILDER	A	K23A	16	TN	1652325C1	1652325C1	N/BODY BUILDER	B	K97B	18	VT	2033819C1	1652325C1		<table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th><th>NOTES</th></tr> <tr><td>A</td><td>J23F</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td><td></td></tr> <tr><td>B</td><td>J23H</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td><td></td></tr> <tr><td>C</td><td>J23J</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td><td></td></tr> <tr><td>D</td><td>J23K</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td><td></td></tr> <tr><td>E</td><td>J23L</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td><td></td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES	A	J23F	18	TN	1661875C1	1661872C1		B	J23H	18	TN	1661875C1	1661872C1		C	J23J	18	TN	1661875C1	1661872C1		D	J23K	18	TN	1661875C1	1661872C1		E	J23L	18	TN	1661875C1	1661872C1		CONNECTOR - 1671610C1 LOCK - 1671608C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
A	K23B	18	TN	2033819C1	1652325C1	W/BODY BUILDER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
A	K23A	16	TN	1652325C1	1652325C1	N/BODY BUILDER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
B	K97B	18	VT	2033819C1	1652325C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
A	J23F	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
B	J23H	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
C	J23J	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
D	J23K	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
E	J23L	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
FORWARD CHASSIS/DASH (4301) (LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME RAIL)				FORWARD CHASSIS HARNESS 				FORWARD CHASSIS/DASH (4301) DASH HARNESS 																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
CONNECTOR - 3558026C1 LOCK - 3558056C1 PLUG - 3532129C1				CONNECTOR - 3558022C1 SEAL - 3559047C1 LOCK - 3558056C1 PLUG - 3532129C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
<table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th><th>NOTES</th></tr> <tr><td>1</td><td>M9</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td><td>W/AUX AIR</td></tr> <tr><td>1</td><td>M94</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>1</td><td>M94AL</td><td>14</td><td>BL</td><td>3559037C1</td><td>3558022C1</td><td>W/WABCO AIR</td></tr> <tr><td>2</td><td>M94A</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>2</td><td>M6</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td><td>W/AUX AIR</td></tr> <tr><td>2</td><td>M94AA</td><td>14</td><td>GN</td><td>3559037C1</td><td>3558022C1</td><td>W/WABCO AIR</td></tr> <tr><td>3</td><td>M40</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td><td>W/AUX AIR</td></tr> <tr><td>3</td><td>M94B</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>3</td><td>M94AB</td><td>14</td><td>BN</td><td>3559037C1</td><td>3558022C1</td><td>W/WABCO AIR</td></tr> <tr><td>4</td><td>M52B</td><td>14</td><td>YL</td><td>3559037C1</td><td>3509903C1</td><td></td></tr> <tr><td>5</td><td>M53</td><td>14</td><td>YL</td><td>3559037C1</td><td>3509903C1</td><td></td></tr> <tr><td>6</td><td>M94C</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>6</td><td>[M94L]</td><td>18</td><td>BK</td><td>3559036C1</td><td>3509903C1</td><td>W/HYD ABS</td></tr> <tr><td>6</td><td>M94AC</td><td>18</td><td>BN</td><td>3559036C1</td><td>3558022C1</td><td>W/WABCO AIR</td></tr> <tr><td>7</td><td>M94D</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>7</td><td>[M94M]</td><td>18</td><td>BN</td><td>3559036C1</td><td>3509903C1</td><td>W/HYD ABS</td></tr> <tr><td>7</td><td>M94AD</td><td>18</td><td>BK</td><td>3559036C1</td><td>3558022C1</td><td>W/WABCO AIR</td></tr> <tr><td>8</td><td>M9</td><td>20</td><td>GY</td><td>3559036C1</td><td>3532128C1</td><td></td></tr> <tr><td>9</td><td>M56B</td><td>16</td><td>OR</td><td>3559037C1</td><td>3509903C1</td><td></td></tr> <tr><td>10</td><td>M85E</td><td>16</td><td>GY</td><td>3559037C1</td><td>3509903C1</td><td></td></tr> <tr><td>11</td><td>M57B</td><td>16</td><td>OR</td><td>3559037C1</td><td>3509903C1</td><td></td></tr> <tr><td>12</td><td>M58B</td><td>14</td><td>BN</td><td>3559037C1</td><td>3509903C1</td><td></td></tr> <tr><td>13</td><td>M11-G</td><td>12</td><td>WH</td><td>3559037C1</td><td>3509903C1</td><td></td></tr> <tr><td>14</td><td>M94E</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>14</td><td>[M94N]</td><td>18</td><td>BK</td><td>3559036C1</td><td>3509903C1</td><td>W/HYD ABS</td></tr> <tr><td>14</td><td>M94AE</td><td>18</td><td>BN</td><td>3559036C1</td><td>3558022C1</td><td>W/WABCO AIR</td></tr> <tr><td>15</td><td>M94F</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>15</td><td>[M94P]</td><td>18</td><td>BN</td><td>3559036C1</td><td>3509903C1</td><td>W/HYD ABS</td></tr> <tr><td>15</td><td>M94AF</td><td>18</td><td>BK</td><td>3559036C1</td><td>3558022C1</td><td>W/WABCO AIR</td></tr> <tr><td>16</td><td>M94H</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td><td></td></tr> <tr><td>16</td><td>M94AH</td><td>14</td><td>BL</td><td>3559037C1</td><td>3558022C1</td><td>W/WABCO AIR</td></tr> <tr><td>17</td><td>M94J</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td><td></td></tr> <tr><td>17</td><td>M94AJ</td><td>14</td><td>GN</td><td>3559037C1</td><td>3558022C1</td><td>W/WABCO AIR</td></tr> <tr><td>18</td><td>M94K</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td><td></td></tr> <tr><td>18</td><td>M94AK</td><td>14</td><td>BN</td><td>3559037C1</td><td>3558022C1</td><td>W/WABCO AIR</td></tr> <tr><td>19</td><td>M21C</td><td>18</td><td>TN</td><td>3559036C1</td><td>3509903C1</td><td></td></tr> <tr><td>20</td><td>M64LO</td><td>14</td><td>YL</td><td>3559037C1</td><td>3509903C1</td><td>W/AUX LIGHTS</td></tr> <tr><td>21</td><td>M78H</td><td>16</td><td>LT GN</td><td>3559037C1</td><td>3509903C1</td><td>W/FOG LIGHTS</td></tr> <tr><td>22</td><td>M21D</td><td>18</td><td>TN</td><td>3559036C1</td><td>3509903C1</td><td></td></tr> <tr><td>23</td><td>M77</td><td>20</td><td>LT GN</td><td>3559036C1</td><td>3532128C1</td><td></td></tr> <tr><td>24</td><td>M6</td><td>20</td><td>GY</td><td>3559036C1</td><td>3532128C1</td><td></td></tr> </table>							CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES	1	M9	18	GY	3559036C1	3509903C1	W/AUX AIR	1	M94	18	GY	3559036C1	3509903C1	W/AIR ABS	1	M94AL	14	BL	3559037C1	3558022C1	W/WABCO AIR	2	M94A	18	GY	3559036C1	3509903C1	W/AIR ABS	2	M6	18	GY	3559036C1	3509903C1	W/AUX AIR	2	M94AA	14	GN	3559037C1	3558022C1	W/WABCO AIR	3	M40	18	GY	3559036C1	3509903C1	W/AUX AIR	3	M94B	18	GY	3559036C1	3509903C1	W/AIR ABS	3	M94AB	14	BN	3559037C1	3558022C1	W/WABCO AIR	4	M52B	14	YL	3559037C1	3509903C1		5	M53	14	YL	3559037C1	3509903C1		6	M94C	18	GY	3559036C1	3509903C1	W/AIR ABS	6	[M94L]	18	BK	3559036C1	3509903C1	W/HYD ABS	6	M94AC	18	BN	3559036C1	3558022C1	W/WABCO AIR	7	M94D	18	GY	3559036C1	3509903C1	W/AIR ABS	7	[M94M]	18	BN	3559036C1	3509903C1	W/HYD ABS	7	M94AD	18	BK	3559036C1	3558022C1	W/WABCO AIR	8	M9	20	GY	3559036C1	3532128C1		9	M56B	16	OR	3559037C1	3509903C1		10	M85E	16	GY	3559037C1	3509903C1		11	M57B	16	OR	3559037C1	3509903C1		12	M58B	14	BN	3559037C1	3509903C1		13	M11-G	12	WH	3559037C1	3509903C1		14	M94E	18	GY	3559036C1	3509903C1	W/AIR ABS	14	[M94N]	18	BK	3559036C1	3509903C1	W/HYD ABS	14	M94AE	18	BN	3559036C1	3558022C1	W/WABCO AIR	15	M94F	18	GY	3559036C1	3509903C1	W/AIR ABS	15	[M94P]	18	BN	3559036C1	3509903C1	W/HYD ABS	15	M94AF	18	BK	3559036C1	3558022C1	W/WABCO AIR	16	M94H	18	GY	3559036C1	3509903C1		16	M94AH	14	BL	3559037C1	3558022C1	W/WABCO AIR	17	M94J	18	GY	3559036C1	3509903C1		17	M94AJ	14	GN	3559037C1	3558022C1	W/WABCO AIR	18	M94K	18	GY	3559036C1	3509903C1		18	M94AK	14	BN	3559037C1	3558022C1	W/WABCO AIR	19	M21C	18	TN	3559036C1	3509903C1		20	M64LO	14	YL	3559037C1	3509903C1	W/AUX LIGHTS	21	M78H	16	LT GN	3559037C1	3509903C1	W/FOG LIGHTS	22	M21D	18	TN	3559036C1	3509903C1		23	M77	20	LT GN	3559036C1	3532128C1		24	M6	20	GY	3559036C1	3532128C1		<table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th><th>NOTES</th></tr> <tr><td>1</td><td>J94AP</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>1</td><td>J9EA</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/AUX AIR</td></tr> <tr><td>2</td><td>J94AR</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>2</td><td>J6BA</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/AUX AIR</td></tr> <tr><td>3</td><td>J40FA</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/AUX AIR</td></tr> <tr><td>3</td><td>J94AS</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>4</td><td>J52A</td><td>14</td><td>YL</td><td>3559035C1</td><td>3509903C1</td><td>W/STD LIGHTS</td></tr> <tr><td>4</td><td>J52B</td><td>14</td><td>YL</td><td>3559035C1</td><td>3509903C1</td><td>W/AUX LIGHTS</td></tr> <tr><td>5</td><td>J53B</td><td>14</td><td>YL</td><td>3559035C1</td><td>3509903C1</td><td>W/STD LIGHTS</td></tr> <tr><td>5</td><td>J53A</td><td>14</td><td>YL</td><td>3559035C1</td><td>3509903C1</td><td>W/AUX LIGHTS</td></tr> <tr><td>6</td><td>J94HM</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/HYD ABS</td></tr> <tr><td>6</td><td>J94AM</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>7</td><td>J94HN</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/HYD ABS</td></tr> <tr><td>7</td><td>J94AN</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>8</td><td>J9Y</td><td>20</td><td>GY</td><td>3509874C1</td><td>3532128C1</td><td></td></tr> <tr><td>9</td><td>J56A</td><td>16</td><td>OR</td><td>3559035C1</td><td>3509903C1</td><td></td></tr> <tr><td>10</td><td>J85AA</td><td>16</td><td>GY</td><td>3559035C1</td><td>3509903C1</td><td></td></tr> <tr><td>11</td><td>J57A</td><td>16</td><td>OR</td><td>3559035C1</td><td>3509903C1</td><td></td></tr> <tr><td>12</td><td>J58AA</td><td>14</td><td>BN</td><td>3559035C1</td><td>3509903C1</td><td></td></tr> <tr><td>13</td><td>J11-G</td><td>12</td><td>WH</td><td>3559035C1</td><td>3509903C1</td><td></td></tr> <tr><td>16</td><td>J94AT</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>16</td><td>J94HT</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/HYD ABS</td></tr> <tr><td>15</td><td>J94AU</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> <tr><td>15</td><td>J94HU</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/HYD ABS</td></tr> <tr><td>16</td><td>J94AV</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td></td></tr> <tr><td>17</td><td>J94AW</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td></td></tr> <tr><td>18</td><td>J94AX</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td></td></tr> <tr><td>19</td><td>J21E</td><td>18</td><td>TN</td><td>3509874C1</td><td>3509903C1</td><td></td></tr> <tr><td>20</td><td>J64A</td><td>12</td><td>BN</td><td>3559035C1</td><td>3509903C1</td><td>W/FOG LIGHTS</td></tr> <tr><td>20</td><td>J64LO</td><td>14</td><td>YL</td><td>3559035C1</td><td>3509903C1</td><td>W/AUX LIGHTS</td></tr> <tr><td>21</td><td>J78K</td><td>16</td><td>LT GN</td><td>3559035C1</td><td>3509903C1</td><td></td></tr> <tr><td>22</td><td>J21F</td><td>18</td><td>TN</td><td>3509874C1</td><td>3509903C1</td><td></td></tr> <tr><td>23</td><td>J77C</td><td>20</td><td>LT GN</td><td>3509874C1</td><td>3532128C1</td><td></td></tr> <tr><td>24</td><td>J6E</td><td>18</td><td>LT GN</td><td>3509874C1</td><td>3509903C1</td><td></td></tr> </table>							CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES	1	J94AP	18	GY	3509874C1	3509903C1	W/AIR ABS	1	J9EA	18	GY	3509874C1	3509903C1	W/AUX AIR	2	J94AR	18	GY	3509874C1	3509903C1	W/AIR ABS	2	J6BA	18	GY	3509874C1	3509903C1	W/AUX AIR	3	J40FA	18	GY	3509874C1	3509903C1	W/AUX AIR	3	J94AS	18	GY	3509874C1	3509903C1	W/AIR ABS	4	J52A	14	YL	3559035C1	3509903C1	W/STD LIGHTS	4	J52B	14	YL	3559035C1	3509903C1	W/AUX LIGHTS	5	J53B	14	YL	3559035C1	3509903C1	W/STD LIGHTS	5	J53A	14	YL	3559035C1	3509903C1	W/AUX LIGHTS	6	J94HM	18	GY	3509874C1	3509903C1	W/HYD ABS	6	J94AM	18	GY	3509874C1	3509903C1	W/AIR ABS	7	J94HN	18	GY	3509874C1	3509903C1	W/HYD ABS	7	J94AN	18	GY	3509874C1	3509903C1	W/AIR ABS	8	J9Y	20	GY	3509874C1	3532128C1		9	J56A	16	OR	3559035C1	3509903C1		10	J85AA	16	GY	3559035C1	3509903C1		11	J57A	16	OR	3559035C1	3509903C1		12	J58AA	14	BN	3559035C1	3509903C1		13	J11-G	12	WH	3559035C1	3509903C1		16	J94AT	18	GY	3509874C1	3509903C1	W/AIR ABS	16	J94HT	18	GY	3509874C1	3509903C1	W/HYD ABS	15	J94AU	18	GY	3509874C1	3509903C1	W/AIR ABS	15	J94HU	18	GY	3509874C1	3509903C1	W/HYD ABS	16	J94AV	18	GY	3509874C1	3509903C1		17	J94AW	18	GY	3509874C1	3509903C1		18	J94AX	18	GY	3509874C1	3509903C1		19	J21E	18	TN	3509874C1	3509903C1		20	J64A	12	BN	3559035C1	3509903C1	W/FOG LIGHTS	20	J64LO	14	YL	3559035C1	3509903C1	W/AUX LIGHTS	21	J78K	16	LT GN	3559035C1	3509903C1		22	J21F	18	TN	3509874C1	3509903C1		23	J77C	20	LT GN	3509874C1	3532128C1		24	J6E	18	LT GN	3509874C1	3509903C1	
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1	M9	18	GY	3559036C1	3509903C1	W/AUX AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1	M94	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1	M94AL	14	BL	3559037C1	3558022C1	W/WABCO AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2	M94A	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2	M6	18	GY	3559036C1	3509903C1	W/AUX AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2	M94AA	14	GN	3559037C1	3558022C1	W/WABCO AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
3	M40	18	GY	3559036C1	3509903C1	W/AUX AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
3	M94B	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
3	M94AB	14	BN	3559037C1	3558022C1	W/WABCO AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
4	M52B	14	YL	3559037C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
5	M53	14	YL	3559037C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
6	M94C	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
6	[M94L]	18	BK	3559036C1	3509903C1	W/HYD ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
6	M94AC	18	BN	3559036C1	3558022C1	W/WABCO AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
7	M94D	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
7	[M94M]	18	BN	3559036C1	3509903C1	W/HYD ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
7	M94AD	18	BK	3559036C1	3558022C1	W/WABCO AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8	M9	20	GY	3559036C1	3532128C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
9	M56B	16	OR	3559037C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
10	M85E	16	GY	3559037C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
11	M57B	16	OR	3559037C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
12	M58B	14	BN	3559037C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
13	M11-G	12	WH	3559037C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
14	M94E	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
14	[M94N]	18	BK	3559036C1	3509903C1	W/HYD ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
14	M94AE	18	BN	3559036C1	3558022C1	W/WABCO AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
15	M94F	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
15	[M94P]	18	BN	3559036C1	3509903C1	W/HYD ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
15	M94AF	18	BK	3559036C1	3558022C1	W/WABCO AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
16	M94H	18	GY	3559036C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
16	M94AH	14	BL	3559037C1	3558022C1	W/WABCO AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
17	M94J	18	GY	3559036C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
17	M94AJ	14	GN	3559037C1	3558022C1	W/WABCO AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
18	M94K	18	GY	3559036C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
18	M94AK	14	BN	3559037C1	3558022C1	W/WABCO AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
19	M21C	18	TN	3559036C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
20	M64LO	14	YL	3559037C1	3509903C1	W/AUX LIGHTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
21	M78H	16	LT GN	3559037C1	3509903C1	W/FOG LIGHTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
22	M21D	18	TN	3559036C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
23	M77	20	LT GN	3559036C1	3532128C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
24	M6	20	GY	3559036C1	3532128C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1	J94AP	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1	J9EA	18	GY	3509874C1	3509903C1	W/AUX AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2	J94AR	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2	J6BA	18	GY	3509874C1	3509903C1	W/AUX AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
3	J40FA	18	GY	3509874C1	3509903C1	W/AUX AIR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
3	J94AS	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
4	J52A	14	YL	3559035C1	3509903C1	W/STD LIGHTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
4	J52B	14	YL	3559035C1	3509903C1	W/AUX LIGHTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
5	J53B	14	YL	3559035C1	3509903C1	W/STD LIGHTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
5	J53A	14	YL	3559035C1	3509903C1	W/AUX LIGHTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
6	J94HM	18	GY	3509874C1	3509903C1	W/HYD ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
6	J94AM	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
7	J94HN	18	GY	3509874C1	3509903C1	W/HYD ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
7	J94AN	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8	J9Y	20	GY	3509874C1	3532128C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
9	J56A	16	OR	3559035C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
10	J85AA	16	GY	3559035C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
11	J57A	16	OR	3559035C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
12	J58AA	14	BN	3559035C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
13	J11-G	12	WH	3559035C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
16	J94AT	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
16	J94HT	18	GY	3509874C1	3509903C1	W/HYD ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
15	J94AU	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
15	J94HU	18	GY	3509874C1	3509903C1	W/HYD ABS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
16	J94AV	18	GY	3509874C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
17	J94AW	18	GY	3509874C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
18	J94AX	18	GY	3509874C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
19	J21E	18	TN	3509874C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
20	J64A	12	BN	3559035C1	3509903C1	W/FOG LIGHTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
20	J64LO	14	YL	3559035C1	3509903C1	W/AUX LIGHTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
21	J78K	16	LT GN	3559035C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
22	J21F	18	TN	3509874C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
23	J77C	20	LT GN	3509874C1	3532128C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
24	J6E	18	LT GN	3509874C1	3509903C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PEC	25JUN01	ADDED 4301-4410C.	B	P54634F	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PEC	15JAN02	ADDED 4105-4120	C	P55043Z	P52778H	DATE	PART NO.	SHEET																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
						21JUN00	AE08-52376	31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

Figure 143 Connector Composites (4105), (4111), (4120), (4301)

12.32. CONNECTOR COMPOSITES (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411), P. 32

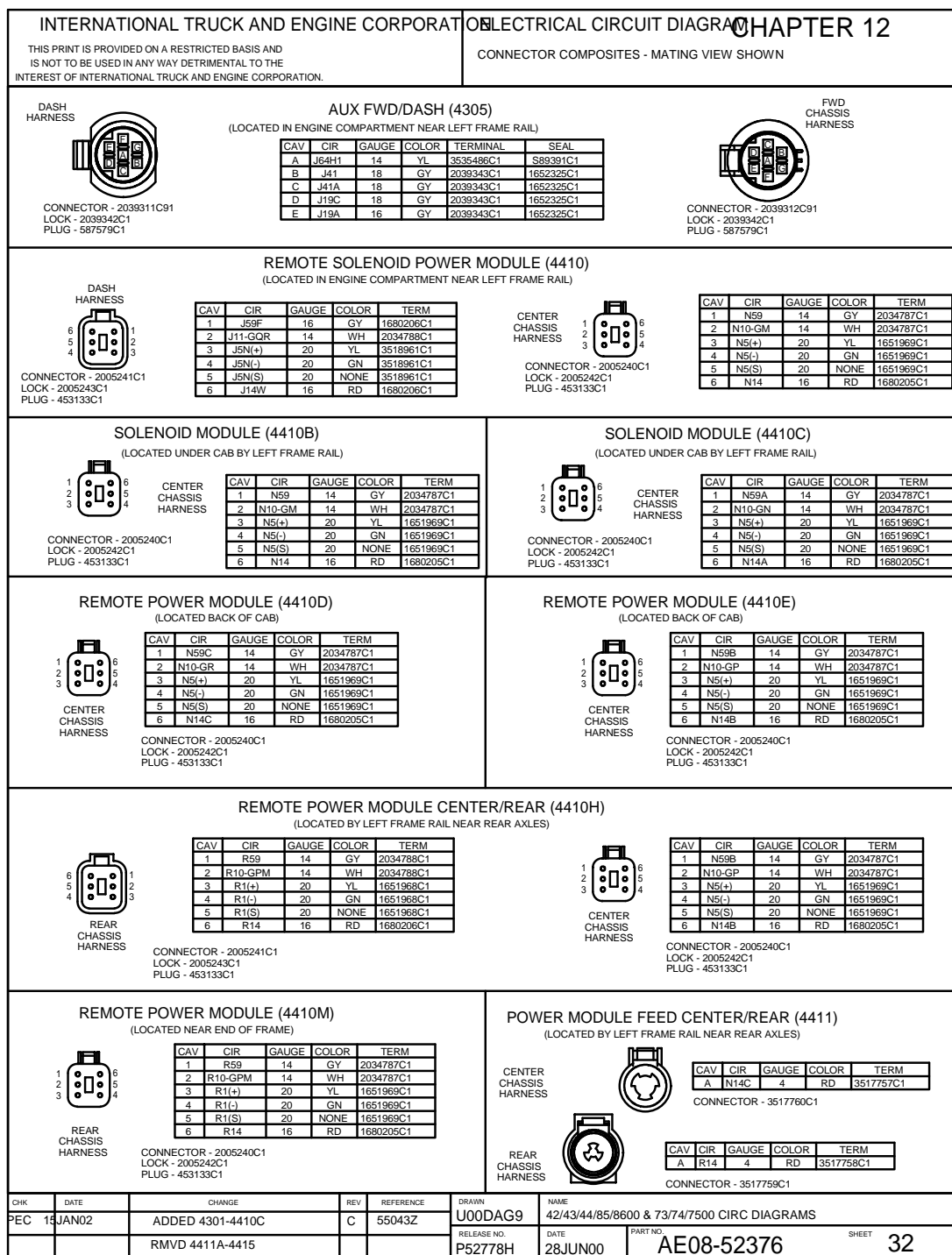


Figure 144 Connector Composites (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411)

12.33. CONNECTOR COMPOSITES (4411A), (4411B), (4412), (4415), (4450), (4450A), (4460A), (4460), P. 33

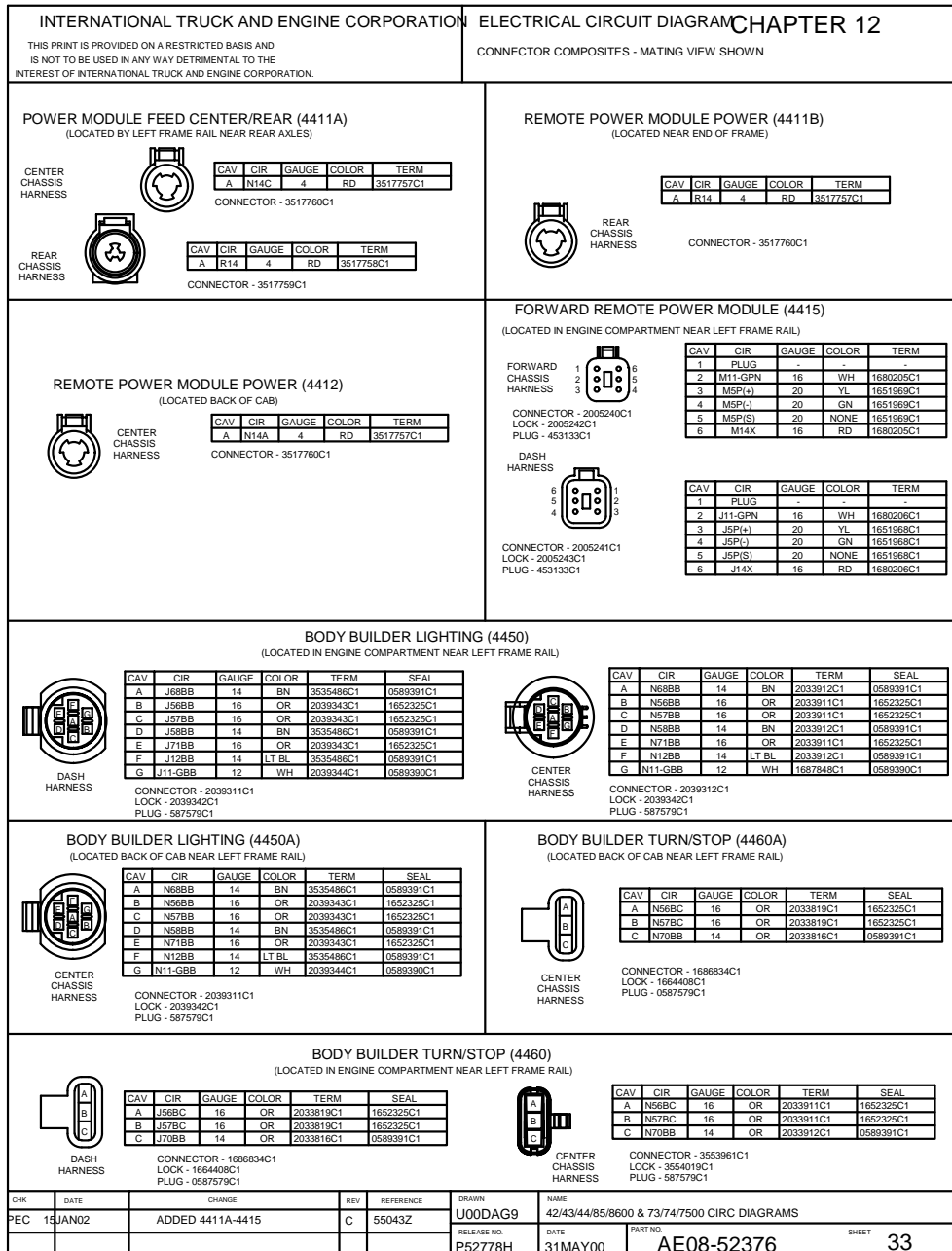


Figure 145 Connector Composites (4411A), (4411B), (4412), (4415), (4450), (4450A), (4460A), (4460)

12.34. CONNECTOR COMPOSITE (4705), P. 34

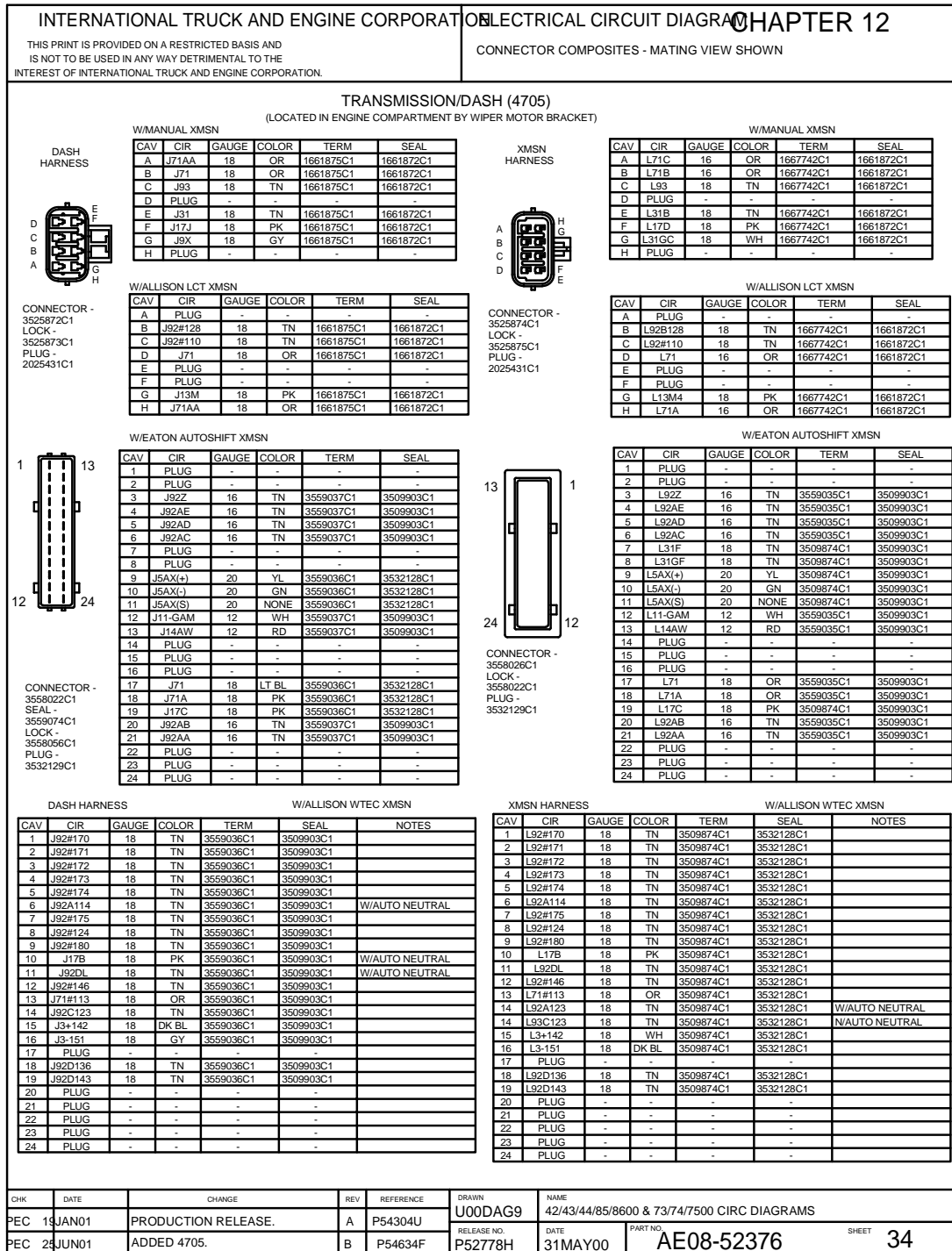


Figure 146 Connector Composite (4705)

12.35. CONNECTOR COMPOSITES (4810), (4820), (4830), (4840), (4850), (4900), P. 35




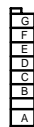
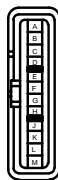
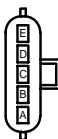
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																																																																						
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																																																																																						
BACKUP LIGHT TURN SIGNAL SPLICE (4810) (LOCATED NEAR POWER DISTRIBUTION CENTER) <div style="text-align: center;">  </div> <div style="text-align: right; font-size: x-small;"> CONNECTOR - 3543733C1 LOCK - 3543732C1 PLUG - 3535425C1 BUS BAR - 3543736C1 </div>				J1708 & 5 VOLT REF SPLICE (4820) (LOCATED NEAR WIPER MOTOR BRACKET) <div style="text-align: center;">  </div> <div style="text-align: right; font-size: x-small;"> CONNECTOR - 3543733C1 LOCK - 3543732C1 PLUG - 3535425C1 BUS BAR - 3543736C1 </div>																																																																																																																																																																																																																																																																						
<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th><th>NOTES</th></tr> </thead> <tbody> <tr><td></td><td>RIGHT</td><td>TURN</td><td>BUS</td><td>BAR</td><td></td><td></td></tr> <tr><td>A</td><td>J57AA</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>B</td><td>J57A</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>C</td><td>J57H</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>D</td><td>J57BC</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td></td><td>LEFT</td><td>TURN</td><td>BUS</td><td>BAR</td><td></td><td></td></tr> <tr><td>E</td><td>J56AA</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>F</td><td>J56A</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>G</td><td>J56H</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>H</td><td>J56BC</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td></td><td>BACK</td><td>UP</td><td>LIGHT</td><td>BUS</td><td>BAR</td><td></td></tr> <tr><td>J</td><td>J71A</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>K</td><td>J71BB</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>L</td><td>J71AA</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td>W/MANUAL XMSN</td></tr> <tr><td>L</td><td>J71AA</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td>W/ALLISON LCT</td></tr> <tr><td>L</td><td>J71B</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td>W/ALLISON WTEC</td></tr> <tr><td>L</td><td>J71A</td><td>18</td><td>PK</td><td>3535303C1</td><td>3535424C1</td><td>W/EATON AUTOSHIFT</td></tr> <tr><td>M</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES		RIGHT	TURN	BUS	BAR			A	J57AA	16	OR	3535303C1	3535424C1		B	J57A	16	OR	3535303C1	3535424C1		C	J57H	16	OR	3535303C1	3535424C1		D	J57BC	16	OR	3535303C1	3535424C1			LEFT	TURN	BUS	BAR			E	J56AA	16	OR	3535303C1	3535424C1		F	J56A	16	OR	3535303C1	3535424C1		G	J56H	16	OR	3535303C1	3535424C1		H	J56BC	16	OR	3535303C1	3535424C1			BACK	UP	LIGHT	BUS	BAR		J	J71A	18	OR	3535303C1	3535424C1		K	J71BB	16	OR	3535303C1	3535424C1		L	J71AA	18	OR	3535303C1	3535424C1	W/MANUAL XMSN	L	J71AA	18	OR	3535303C1	3535424C1	W/ALLISON LCT	L	J71B	18	OR	3535303C1	3535424C1	W/ALLISON WTEC	L	J71A	18	PK	3535303C1	3535424C1	W/EATON AUTOSHIFT	M	PLUG	-	-	-	-		<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th><th>NOTES</th></tr> </thead> <tbody> <tr><td></td><td>5 VOLT</td><td>REF</td><td>BUS</td><td>BAR</td><td></td><td></td></tr> <tr><td>A</td><td>J6BA</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>B</td><td>J6A</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>C</td><td>J6E</td><td>18</td><td>LT GN</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>D</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td></td><td>DATA</td><td>LINK</td><td>J1708</td><td>POSITIVE</td><td>BUS BAR</td><td></td></tr> <tr><td>E</td><td>J3A(+)</td><td>18</td><td>DK BL</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>F</td><td>J3B(+)</td><td>18</td><td>DK BL</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>G</td><td>J3D(+)</td><td>18</td><td>DK BL</td><td>3535303C1</td><td>3535424C1</td><td>W/AIR ABS</td></tr> <tr><td>G</td><td>J3C(+)</td><td>18</td><td>DK BL</td><td>3535303C1</td><td>3535424C1</td><td>W/HYD ABS</td></tr> <tr><td>H</td><td>J3+142</td><td>18</td><td>DK BL</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td></td><td>DATA</td><td>LINK</td><td>J1708</td><td>NEGATIVE</td><td>BUS BAR</td><td></td></tr> <tr><td>J</td><td>J3A(-)</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>K</td><td>J3B(-)</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> <tr><td>L</td><td>J3D(-)</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td><td>W/AIR ABS</td></tr> <tr><td>L</td><td>J3C(-)</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td><td>W/HYD ABS</td></tr> <tr><td>M</td><td>J3-151</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td><td></td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES		5 VOLT	REF	BUS	BAR			A	J6BA	18	GY	3535303C1	3535424C1		B	J6A	18	GY	3535303C1	3535424C1		C	J6E	18	LT GN	3535303C1	3535424C1		D	PLUG	-	-	-	-			DATA	LINK	J1708	POSITIVE	BUS BAR		E	J3A(+)	18	DK BL	3535303C1	3535424C1		F	J3B(+)	18	DK BL	3535303C1	3535424C1		G	J3D(+)	18	DK BL	3535303C1	3535424C1	W/AIR ABS	G	J3C(+)	18	DK BL	3535303C1	3535424C1	W/HYD ABS	H	J3+142	18	DK BL	3535303C1	3535424C1			DATA	LINK	J1708	NEGATIVE	BUS BAR		J	J3A(-)	18	GY	3535303C1	3535424C1		K	J3B(-)	18	GY	3535303C1	3535424C1		L	J3D(-)	18	GY	3535303C1	3535424C1	W/AIR ABS	L	J3C(-)	18	GY	3535303C1	3535424C1	W/HYD ABS	M	J3-151	18	GY	3535303C1	3535424C1	
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																																																																																																																																																																																				
	RIGHT	TURN	BUS	BAR																																																																																																																																																																																																																																																																						
A	J57AA	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
B	J57A	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
C	J57H	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
D	J57BC	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
	LEFT	TURN	BUS	BAR																																																																																																																																																																																																																																																																						
E	J56AA	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
F	J56A	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
G	J56H	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
H	J56BC	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
	BACK	UP	LIGHT	BUS	BAR																																																																																																																																																																																																																																																																					
J	J71A	18	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
K	J71BB	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
L	J71AA	18	OR	3535303C1	3535424C1	W/MANUAL XMSN																																																																																																																																																																																																																																																																				
L	J71AA	18	OR	3535303C1	3535424C1	W/ALLISON LCT																																																																																																																																																																																																																																																																				
L	J71B	18	OR	3535303C1	3535424C1	W/ALLISON WTEC																																																																																																																																																																																																																																																																				
L	J71A	18	PK	3535303C1	3535424C1	W/EATON AUTOSHIFT																																																																																																																																																																																																																																																																				
M	PLUG	-	-	-	-																																																																																																																																																																																																																																																																					
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																																																																																																																																																																																				
	5 VOLT	REF	BUS	BAR																																																																																																																																																																																																																																																																						
A	J6BA	18	GY	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
B	J6A	18	GY	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
C	J6E	18	LT GN	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
D	PLUG	-	-	-	-																																																																																																																																																																																																																																																																					
	DATA	LINK	J1708	POSITIVE	BUS BAR																																																																																																																																																																																																																																																																					
E	J3A(+)	18	DK BL	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
F	J3B(+)	18	DK BL	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
G	J3D(+)	18	DK BL	3535303C1	3535424C1	W/AIR ABS																																																																																																																																																																																																																																																																				
G	J3C(+)	18	DK BL	3535303C1	3535424C1	W/HYD ABS																																																																																																																																																																																																																																																																				
H	J3+142	18	DK BL	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
	DATA	LINK	J1708	NEGATIVE	BUS BAR																																																																																																																																																																																																																																																																					
J	J3A(-)	18	GY	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
K	J3B(-)	18	GY	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
L	J3D(-)	18	GY	3535303C1	3535424C1	W/AIR ABS																																																																																																																																																																																																																																																																				
L	J3C(-)	18	GY	3535303C1	3535424C1	W/HYD ABS																																																																																																																																																																																																																																																																				
M	J3-151	18	GY	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
ELECTRONIC REF GROUND SPLICE (4830) (LOCATED NEAR POWER DISTRIBUTION CENTER) <div style="text-align: center;">  </div> <div style="text-align: right; font-size: x-small;"> CONNECTOR - 3543730C1 LOCK - 3543732C1 PLUG - 3535425C1 BUS BAR - 3543735C1 </div>				RELAY COIL IGNITION SPLICE (4840) (LOCATED INSIDE POWER DISTRIBUTION CENTER) <div style="text-align: center;">  </div> <div style="text-align: right; font-size: x-small;"> CONNECTOR - 2006789C1 LOCK - 2006792C1 COVER - 2006790C1 BUS BAR - 2006791C1 </div>																																																																																																																																																																																																																																																																						
<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> </thead> <tbody> <tr><td>A</td><td>J9G</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>B</td><td>J9A</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>C</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>D</td><td>J9EA</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>E</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>G</td><td>J9J</td><td>20</td><td>GY</td><td>3535302C1</td><td>3535424C1</td></tr> <tr><td>H</td><td>J9K</td><td>20</td><td>GY</td><td>3535302C1</td><td>3535424C1</td></tr> <tr><td>J</td><td>J9Y</td><td>20</td><td>GY</td><td>3535302C1</td><td>3535424C1</td></tr> <tr><td>K</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>L</td><td>J9X</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>M</td><td>J87H</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J9G	18	GY	3535303C1	3535424C1	B	J9A	18	GY	3535303C1	3535424C1	C	PLUG	-	-	-	-	D	J9EA	18	GY	3535303C1	3535424C1	E	PLUG	-	-	-	-	F	PLUG	-	-	-	-	G	J9J	20	GY	3535302C1	3535424C1	H	J9K	20	GY	3535302C1	3535424C1	J	J9Y	20	GY	3535302C1	3535424C1	K	PLUG	-	-	-	-	L	J9X	18	GY	3535303C1	3535424C1	M	J87H	18	GY	3535303C1	3535424C1	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> </thead> <tbody> <tr><td>A</td><td>J13X</td><td>18</td><td>PK</td><td>1661208C1</td></tr> <tr><td>B</td><td>J94HE</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>C</td><td>J13AS</td><td>18</td><td>PK</td><td>1661208C1</td></tr> <tr><td>E</td><td>J13AV</td><td>18</td><td>PK</td><td>1661208C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	J13X	18	PK	1661208C1	B	J94HE	18	GY	1661208C1	C	J13AS	18	PK	1661208C1	E	J13AV	18	PK	1661208C1																																																																																																																																																												
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																																																																																					
A	J9G	18	GY	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
B	J9A	18	GY	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
C	PLUG	-	-	-	-																																																																																																																																																																																																																																																																					
D	J9EA	18	GY	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
E	PLUG	-	-	-	-																																																																																																																																																																																																																																																																					
F	PLUG	-	-	-	-																																																																																																																																																																																																																																																																					
G	J9J	20	GY	3535302C1	3535424C1																																																																																																																																																																																																																																																																					
H	J9K	20	GY	3535302C1	3535424C1																																																																																																																																																																																																																																																																					
J	J9Y	20	GY	3535302C1	3535424C1																																																																																																																																																																																																																																																																					
K	PLUG	-	-	-	-																																																																																																																																																																																																																																																																					
L	J9X	18	GY	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
M	J87H	18	GY	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																																																																						
A	J13X	18	PK	1661208C1																																																																																																																																																																																																																																																																						
B	J94HE	18	GY	1661208C1																																																																																																																																																																																																																																																																						
C	J13AS	18	PK	1661208C1																																																																																																																																																																																																																																																																						
E	J13AV	18	PK	1661208C1																																																																																																																																																																																																																																																																						
COMBINATION TURN STOP (4850) (LOCATED NEAR POWER DISTRIBUTION CENTER) <div style="text-align: center;">  </div> <div style="text-align: right; font-size: x-small;"> CONNECTOR - 3543733C1 LOCK - 3543732C1 PLUG - 3535425C1 BUS BAR - 3543736C1 </div>				WABCO ABS POWER (4900) <div style="text-align: center;">  </div> <div style="text-align: right; font-size: x-small;"> CONNECTOR - 1661375C2 BODY LOCK - 1661376C1 SEAL - 0568391C1 (14 AWG) - 0568390C1 (12 AWG) - 3517771C1 (18 AWG) TERM - 2033816C1 (14 & 12 AWG) - 2033819C1 (18 AWG) </div>																																																																																																																																																																																																																																																																						
<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> </thead> <tbody> <tr><td></td><td>RIGHT</td><td>TURN</td><td>STOP</td><td>BUS</td><td>BAR</td></tr> <tr><td>A</td><td>J57J</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>B</td><td>J57B</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>C</td><td>J57K</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>D</td><td>J57BB</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td></td><td>LEFT</td><td>TURN</td><td>STOP</td><td>BUS</td><td>BAR</td></tr> <tr><td>E</td><td>J56J</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>F</td><td>J56B</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>G</td><td>J56K</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>H</td><td>J56BB</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td></td><td>UNUSED</td><td>BUS</td><td>BAR</td><td></td><td></td></tr> <tr><td>J</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>K</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>L</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>M</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL		RIGHT	TURN	STOP	BUS	BAR	A	J57J	16	OR	3535303C1	3535424C1	B	J57B	16	OR	3535303C1	3535424C1	C	J57K	16	OR	3535303C1	3535424C1	D	J57BB	16	OR	3535303C1	3535424C1		LEFT	TURN	STOP	BUS	BAR	E	J56J	16	OR	3535303C1	3535424C1	F	J56B	16	OR	3535303C1	3535424C1	G	J56K	16	OR	3535303C1	3535424C1	H	J56BB	16	OR	3535303C1	3535424C1		UNUSED	BUS	BAR			J	PLUG	-	-	-	-	K	PLUG	-	-	-	-	L	PLUG	-	-	-	-	M	PLUG	-	-	-	-	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr> </thead> <tbody> <tr><td>A</td><td>J94AA</td><td>14</td><td>GY</td></tr> <tr><td>B</td><td>J94AB</td><td>14</td><td>GY</td></tr> <tr><td>C</td><td>J94-A</td><td>12</td><td>WH</td></tr> <tr><td>D</td><td>J94-AW</td><td>18</td><td>GY</td></tr> <tr><td>E</td><td>PLUG</td><td>-</td><td>-</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	A	J94AA	14	GY	B	J94AB	14	GY	C	J94-A	12	WH	D	J94-AW	18	GY	E	PLUG	-	-																																																																																																																																											
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																																																																																					
	RIGHT	TURN	STOP	BUS	BAR																																																																																																																																																																																																																																																																					
A	J57J	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
B	J57B	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
C	J57K	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
D	J57BB	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
	LEFT	TURN	STOP	BUS	BAR																																																																																																																																																																																																																																																																					
E	J56J	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
F	J56B	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
G	J56K	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
H	J56BB	16	OR	3535303C1	3535424C1																																																																																																																																																																																																																																																																					
	UNUSED	BUS	BAR																																																																																																																																																																																																																																																																							
J	PLUG	-	-	-	-																																																																																																																																																																																																																																																																					
K	PLUG	-	-	-	-																																																																																																																																																																																																																																																																					
L	PLUG	-	-	-	-																																																																																																																																																																																																																																																																					
M	PLUG	-	-	-	-																																																																																																																																																																																																																																																																					
CAV	CIR	GAUGE	COLOR																																																																																																																																																																																																																																																																							
A	J94AA	14	GY																																																																																																																																																																																																																																																																							
B	J94AB	14	GY																																																																																																																																																																																																																																																																							
C	J94-A	12	WH																																																																																																																																																																																																																																																																							
D	J94-AW	18	GY																																																																																																																																																																																																																																																																							
E	PLUG	-	-																																																																																																																																																																																																																																																																							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																																																																																																																																																																				
PEC	26 JUN01	ADDED 4810-4850.	B	P54634F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																																																																																																																																																																																				
PEC	15 JAN02	ADDED 4900.	C	55043Z	P52778H	DATE 31 MAY00	PART NO. AE08-52376	SHEET 35																																																																																																																																																																																																																																																																		

Figure 147 Connector Composites (4810), (4820), (4830), (4840), (4850), (4900)

12.36. CONNECTOR COMPOSITES (4910), (4950), (4951), (4952), (6001), (6002), P. 36

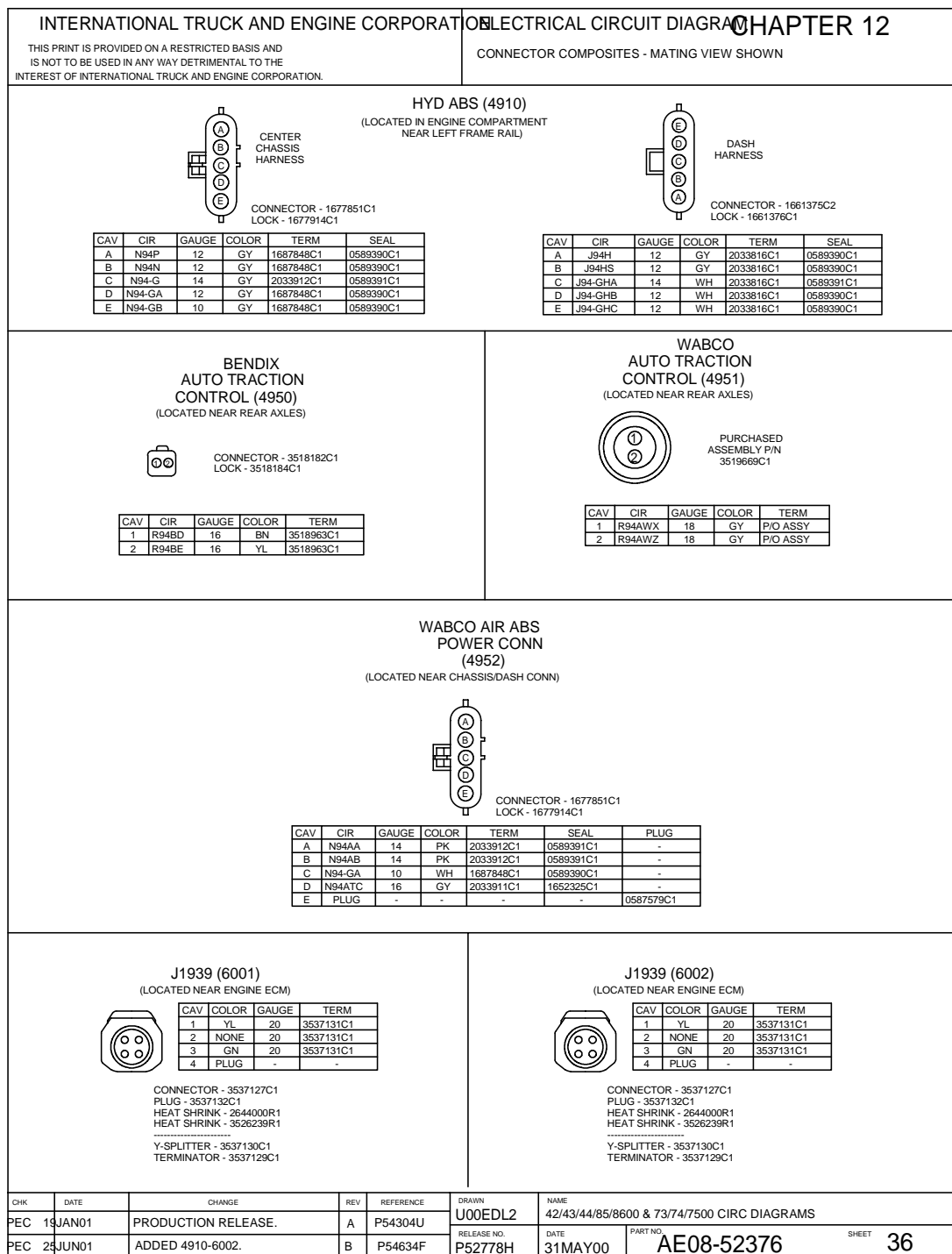


Figure 148 Connector Composites (4910), (4950), (4951), (4952), (6001), (6002)

12.37. CONNECTOR COMPOSITES (6007), (6008), (6009), (6011), (6012), P. 37

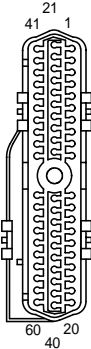


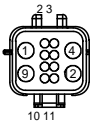
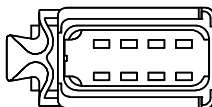
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																																																																																																																																																																			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																																																																																																																																																																																			
<p>CEC (6007) (LOCATED ON ENGINE ECM)</p>  <p>CONNECTOR - 3541979C1 LOCK - 2041419C1 PLUG - 2041421C2 COVER - 3541958C91</p>				<table border="1" style="width:100%; border-collapse: collapse; font-size: 0.7em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>NOTES</th></tr> </thead> <tbody> <tr><td>1</td><td>K97V</td><td>14</td><td>VT</td><td>2041420C1</td><td>31</td><td>K46A</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>2</td><td>K97P</td><td>14</td><td>VT</td><td>2041420C1</td><td>32</td><td>K46B</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>3</td><td>K97C</td><td>18</td><td>VT</td><td>2041419C1</td><td>33</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>4</td><td>K97HE</td><td>18</td><td>VT</td><td>2041419C1</td><td>34</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>5</td><td>K97DD</td><td>18</td><td>VT</td><td>2041419C1</td><td>35</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>6</td><td>K97HM</td><td>18</td><td>VT</td><td>2041419C1</td><td>36</td><td>K97CC</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>7</td><td>K97WA</td><td>18</td><td>VT</td><td>2041419C1</td><td>37</td><td>K97CB</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>8</td><td>K99T</td><td>18</td><td>VT</td><td>2041419C1</td><td>38</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>9</td><td>K97XC</td><td>18</td><td>VT</td><td>2041419C1</td><td>39</td><td>K47</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>10</td><td>K34A</td><td>18</td><td>TN</td><td>2041419C1</td><td>40</td><td>K47A</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>11</td><td>K97D</td><td>18</td><td>VT</td><td>2041419C1</td><td>41</td><td>K97L</td><td>14</td><td>PL</td><td>2041420C1</td><td></td></tr> <tr><td>12</td><td>K97E</td><td>16</td><td>VT</td><td>2041420C1</td><td>42</td><td>K97Y</td><td>14</td><td>VT</td><td>2041420C1</td><td></td></tr> <tr><td>13</td><td>K97EA</td><td>18</td><td>VT</td><td>2041419C1</td><td>43</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>14</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>44</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>15</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>45</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>16</td><td>K3A(+)</td><td>18</td><td>DK BL</td><td>2041419C1</td><td>46</td><td>K17M</td><td>18</td><td>WH</td><td>2041419C1</td><td>N/OVERCRANK PROT</td></tr> <tr><td>17</td><td>K3B(-)</td><td>18</td><td>GY</td><td>2041419C1</td><td>46</td><td>K17L</td><td>18</td><td>PK</td><td>2041419C1</td><td>W/OVERCRANK PROT</td></tr> <tr><td>18</td><td>K5AE</td><td>20</td><td>NONE</td><td>2041419C1</td><td>47</td><td>K24A</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>19</td><td>K5V</td><td>20</td><td>YL</td><td>2041419C1</td><td>48</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>20</td><td>K5W</td><td>20</td><td>GN</td><td>2041419C1</td><td>49</td><td>K97HG</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>21</td><td>K97F</td><td>14</td><td>PL</td><td>2041420C1</td><td>50</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>22</td><td>K97Z</td><td>14</td><td>PL</td><td>2041420C1</td><td>51</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>23</td><td>K97N</td><td>14</td><td>VT</td><td>2041420C1</td><td>52</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>24</td><td>K97M</td><td>16</td><td>VT</td><td>2041420C1</td><td>53</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>25</td><td>K97J</td><td>16</td><td>VT</td><td>2041420C1</td><td>54</td><td>K97WL</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>26</td><td>K17E</td><td>18</td><td>VT</td><td>2041419C1</td><td>55</td><td>K97EW</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>27</td><td>K99S</td><td>18</td><td>VT</td><td>2041419C1</td><td>56</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>28</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>57</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>29</td><td>K97K</td><td>18</td><td>VT</td><td>2041419C1</td><td>58</td><td>K47B</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>30</td><td>K99F</td><td>18</td><td>VT</td><td>2041419C1</td><td>59</td><td>K97AR</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>60</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM	NOTES	1	K97V	14	VT	2041420C1	31	K46A	18	GY	2041419C1		2	K97P	14	VT	2041420C1	32	K46B	18	GY	2041419C1		3	K97C	18	VT	2041419C1	33	PLUG	-	-	-		4	K97HE	18	VT	2041419C1	34	PLUG	-	-	-		5	K97DD	18	VT	2041419C1	35	PLUG	-	-	-		6	K97HM	18	VT	2041419C1	36	K97CC	18	VT	2041419C1		7	K97WA	18	VT	2041419C1	37	K97CB	18	VT	2041419C1		8	K99T	18	VT	2041419C1	38	PLUG	-	-	-		9	K97XC	18	VT	2041419C1	39	K47	18	GY	2041419C1		10	K34A	18	TN	2041419C1	40	K47A	18	GY	2041419C1		11	K97D	18	VT	2041419C1	41	K97L	14	PL	2041420C1		12	K97E	16	VT	2041420C1	42	K97Y	14	VT	2041420C1		13	K97EA	18	VT	2041419C1	43	PLUG	-	-	-		14	PLUG	-	-	-	44	PLUG	-	-	-		15	PLUG	-	-	-	45	PLUG	-	-	-		16	K3A(+)	18	DK BL	2041419C1	46	K17M	18	WH	2041419C1	N/OVERCRANK PROT	17	K3B(-)	18	GY	2041419C1	46	K17L	18	PK	2041419C1	W/OVERCRANK PROT	18	K5AE	20	NONE	2041419C1	47	K24A	18	GY	2041419C1		19	K5V	20	YL	2041419C1	48	PLUG	-	-	-		20	K5W	20	GN	2041419C1	49	K97HG	18	VT	2041419C1		21	K97F	14	PL	2041420C1	50	PLUG	-	-	-		22	K97Z	14	PL	2041420C1	51	PLUG	-	-	-		23	K97N	14	VT	2041420C1	52	PLUG	-	-	-		24	K97M	16	VT	2041420C1	53	PLUG	-	-	-		25	K97J	16	VT	2041420C1	54	K97WL	18	VT	2041419C1		26	K17E	18	VT	2041419C1	55	K97EW	18	VT	2041419C1		27	K99S	18	VT	2041419C1	56	PLUG	-	-	-		28	PLUG	-	-	-	57	PLUG	-	-	-		29	K97K	18	VT	2041419C1	58	K47B	18	GY	2041419C1		30	K99F	18	VT	2041419C1	59	K97AR	18	VT	2041419C1							60	PLUG	-	-	-	
CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM	NOTES																																																																																																																																																																																																																																																																																																																																																													
1	K97V	14	VT	2041420C1	31	K46A	18	GY	2041419C1																																																																																																																																																																																																																																																																																																																																																														
2	K97P	14	VT	2041420C1	32	K46B	18	GY	2041419C1																																																																																																																																																																																																																																																																																																																																																														
3	K97C	18	VT	2041419C1	33	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
4	K97HE	18	VT	2041419C1	34	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
5	K97DD	18	VT	2041419C1	35	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
6	K97HM	18	VT	2041419C1	36	K97CC	18	VT	2041419C1																																																																																																																																																																																																																																																																																																																																																														
7	K97WA	18	VT	2041419C1	37	K97CB	18	VT	2041419C1																																																																																																																																																																																																																																																																																																																																																														
8	K99T	18	VT	2041419C1	38	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
9	K97XC	18	VT	2041419C1	39	K47	18	GY	2041419C1																																																																																																																																																																																																																																																																																																																																																														
10	K34A	18	TN	2041419C1	40	K47A	18	GY	2041419C1																																																																																																																																																																																																																																																																																																																																																														
11	K97D	18	VT	2041419C1	41	K97L	14	PL	2041420C1																																																																																																																																																																																																																																																																																																																																																														
12	K97E	16	VT	2041420C1	42	K97Y	14	VT	2041420C1																																																																																																																																																																																																																																																																																																																																																														
13	K97EA	18	VT	2041419C1	43	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
14	PLUG	-	-	-	44	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
15	PLUG	-	-	-	45	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
16	K3A(+)	18	DK BL	2041419C1	46	K17M	18	WH	2041419C1	N/OVERCRANK PROT																																																																																																																																																																																																																																																																																																																																																													
17	K3B(-)	18	GY	2041419C1	46	K17L	18	PK	2041419C1	W/OVERCRANK PROT																																																																																																																																																																																																																																																																																																																																																													
18	K5AE	20	NONE	2041419C1	47	K24A	18	GY	2041419C1																																																																																																																																																																																																																																																																																																																																																														
19	K5V	20	YL	2041419C1	48	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
20	K5W	20	GN	2041419C1	49	K97HG	18	VT	2041419C1																																																																																																																																																																																																																																																																																																																																																														
21	K97F	14	PL	2041420C1	50	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
22	K97Z	14	PL	2041420C1	51	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
23	K97N	14	VT	2041420C1	52	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
24	K97M	16	VT	2041420C1	53	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
25	K97J	16	VT	2041420C1	54	K97WL	18	VT	2041419C1																																																																																																																																																																																																																																																																																																																																																														
26	K17E	18	VT	2041419C1	55	K97EW	18	VT	2041419C1																																																																																																																																																																																																																																																																																																																																																														
27	K99S	18	VT	2041419C1	56	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
28	PLUG	-	-	-	57	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
29	K97K	18	VT	2041419C1	58	K47B	18	GY	2041419C1																																																																																																																																																																																																																																																																																																																																																														
30	K99F	18	VT	2041419C1	59	K97AR	18	VT	2041419C1																																																																																																																																																																																																																																																																																																																																																														
					60	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																														
<p>J1939 (6008) (LOCATED NEAR ENGINE ECM)</p>  <table border="1" style="width:100%; border-collapse: collapse; font-size: 0.7em;"> <thead> <tr> <th>CAV</th><th>COLOR</th><th>GAUGE</th><th>TERM</th></tr> </thead> <tbody> <tr><td>1</td><td>YL</td><td>20</td><td>3537131C1</td></tr> <tr><td>2</td><td>NONE</td><td>20</td><td>3537131C1</td></tr> <tr><td>3</td><td>GN</td><td>20</td><td>3537131C1</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td></tr> </tbody> </table> <p>CONNECTOR - 3537127C1 PLUG - 3537132C1 HEAT SHRINK - 2644000R1 HEAT SHRINK - 3526239R1 Y-SPLITTER - 3537130C1 TERMINATOR - 3537129C1</p>				CAV	COLOR	GAUGE	TERM	1	YL	20	3537131C1	2	NONE	20	3537131C1	3	GN	20	3537131C1	4	PLUG	-	-	<p>J1939 (6009) (LOCATED NEAR ENGINE ECM)</p>  <table border="1" style="width:100%; border-collapse: collapse; font-size: 0.7em;"> <thead> <tr> <th>CAV</th><th>COLOR</th><th>GAUGE</th><th>TERM</th></tr> </thead> <tbody> <tr><td>1</td><td>YL</td><td>20</td><td>3537131C1</td></tr> <tr><td>2</td><td>NONE</td><td>20</td><td>3537131C1</td></tr> <tr><td>3</td><td>GN</td><td>20</td><td>3537131C1</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td></tr> </tbody> </table> <p>CONNECTOR - 3537127C1 PLUG - 3537132C1 HEAT SHRINK - 2644000R1 HEAT SHRINK - 3526239R1 Y-SPLITTER - 3537130C1 TERMINATOR - 3537129C1</p>				CAV	COLOR	GAUGE	TERM	1	YL	20	3537131C1	2	NONE	20	3537131C1	3	GN	20	3537131C1	4	PLUG	-	-																																																																																																																																																																																																																																																																																																																								
CAV	COLOR	GAUGE	TERM																																																																																																																																																																																																																																																																																																																																																																				
1	YL	20	3537131C1																																																																																																																																																																																																																																																																																																																																																																				
2	NONE	20	3537131C1																																																																																																																																																																																																																																																																																																																																																																				
3	GN	20	3537131C1																																																																																																																																																																																																																																																																																																																																																																				
4	PLUG	-	-																																																																																																																																																																																																																																																																																																																																																																				
CAV	COLOR	GAUGE	TERM																																																																																																																																																																																																																																																																																																																																																																				
1	YL	20	3537131C1																																																																																																																																																																																																																																																																																																																																																																				
2	NONE	20	3537131C1																																																																																																																																																																																																																																																																																																																																																																				
3	GN	20	3537131C1																																																																																																																																																																																																																																																																																																																																																																				
4	PLUG	-	-																																																																																																																																																																																																																																																																																																																																																																				
<p>ENGINE IDM2 (6011) (LOCATED NEAR ENGINE IDM)</p>  <p>CONNECTOR - 3549412C1</p>				<table border="1" style="width:100%; border-collapse: collapse; font-size: 0.7em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> </thead> <tbody> <tr><td>1</td><td>K97-GA</td><td>12</td><td>WH</td><td>3549415C1</td></tr> <tr><td>2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>K97</td><td>18</td><td>VT</td><td>3549418C1</td></tr> <tr><td>7</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>8</td><td>K97M</td><td>16</td><td>VT</td><td>3549417C1</td></tr> <tr><td>9</td><td>K97LA</td><td>16</td><td>PL</td><td>3549416C1</td></tr> <tr><td>10</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>11</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>12</td><td>K97Y</td><td>12</td><td>VT</td><td>3549415C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	K97-GA	12	WH	3549415C1	2	PLUG	-	-	-	3	PLUG	-	-	-	4	PLUG	-	-	-	5	PLUG	-	-	-	6	K97	18	VT	3549418C1	7	PLUG	-	-	-	8	K97M	16	VT	3549417C1	9	K97LA	16	PL	3549416C1	10	PLUG	-	-	-	11	PLUG	-	-	-	12	K97Y	12	VT	3549415C1																																																																																																																																																																																																																																																																																															
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																																																																																																																																																																			
1	K97-GA	12	WH	3549415C1																																																																																																																																																																																																																																																																																																																																																																			
2	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																																			
3	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																																			
4	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																																			
5	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																																			
6	K97	18	VT	3549418C1																																																																																																																																																																																																																																																																																																																																																																			
7	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																																			
8	K97M	16	VT	3549417C1																																																																																																																																																																																																																																																																																																																																																																			
9	K97LA	16	PL	3549416C1																																																																																																																																																																																																																																																																																																																																																																			
10	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																																			
11	PLUG	-	-	-																																																																																																																																																																																																																																																																																																																																																																			
12	K97Y	12	VT	3549415C1																																																																																																																																																																																																																																																																																																																																																																			
<p>ECM2 (6012) (LOCATED ON ENGINE ECM)</p>  <p>CONNECTOR - 3549411C1 SMALL PLUG - 3549421C1 LARGE PLUG - 3549422C1</p>				<table border="1" style="width:100%; border-collapse: collapse; font-size: 0.7em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> </thead> <tbody> <tr><td>1</td><td>K3A(+)</td><td>18</td><td>BK</td><td>3549413C1</td><td>3549419C1</td><td>22</td><td>K47</td><td>18</td><td>GY</td><td>3549413C1</td><td>3549419C1</td></tr> <tr><td>2</td><td>K3B(-)</td><td>18</td><td>BK</td><td>3549413C1</td><td>3549419C1</td><td>23</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>K97C</td><td>18</td><td>VT</td><td>3549413C1</td><td>3549419C1</td><td>24</td><td>K17L</td><td>18</td><td>PK</td><td>3549413C1</td><td>3549419C1</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>25</td><td>K24A</td><td>18</td><td>GY</td><td>3549413C1</td><td>3549419C1</td></tr> <tr><td>5</td><td>K97J</td><td>18</td><td>VT</td><td>3549413C1</td><td>3549419C1</td><td>26</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>K9V</td><td>16</td><td>WH</td><td>3549414C1</td><td>3549420C1</td><td>27</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>K9W</td><td>16</td><td>WH</td><td>3549414C1</td><td>3549420C1</td><td>28</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>8</td><td>K97F</td><td>16</td><td>VT</td><td>3549414C1</td><td>3549420C1</td><td>29</td><td>K99T</td><td>18</td><td>VT</td><td>3549413C1</td><td>3549419C1</td></tr> <tr><td>9</td><td>K97Z</td><td>16</td><td>VT</td><td>3549414C1</td><td>3549420C1</td><td>30</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>K47A</td><td>18</td><td>GY</td><td>3549413C1</td><td>3549419C1</td><td>31</td><td>K99S</td><td>18</td><td>VT</td><td>3549413C1</td><td>3549419C1</td></tr> <tr><td>11</td><td>K92A</td><td>18</td><td>TN</td><td>3549413C1</td><td>3549419C1</td><td>32</td><td>K97K</td><td>18</td><td>VT</td><td>3549413C1</td><td>3549419C1</td></tr> <tr><td>12</td><td>K23A</td><td>18</td><td>TN</td><td>3549413C1</td><td>3549419C1</td><td>33</td><td>K5V</td><td>20</td><td>YL</td><td>3549413C1</td><td>3549419C1</td></tr> <tr><td>13</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>34</td><td>K34A</td><td>18</td><td>TN</td><td>3549413C1</td><td>3549419C1</td></tr> <tr><td>14</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>35</td><td>K97AD</td><td>18</td><td>VT</td><td>3549413C1</td><td>3549419C1</td></tr> <tr><td>15</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>36</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>16</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>37</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>17</td><td>K97D</td><td>18</td><td>VT</td><td>3549413C1</td><td>3549419C1</td><td>38</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>18</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>39</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>19</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>40</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>20</td><td>K5AE</td><td>20</td><td>NONE</td><td>3549413C1</td><td>3549419C1</td><td>41</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>21</td><td>K5W</td><td>20</td><td>GN</td><td>3549413C1</td><td>3549419C1</td><td>42</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	K3A(+)	18	BK	3549413C1	3549419C1	22	K47	18	GY	3549413C1	3549419C1	2	K3B(-)	18	BK	3549413C1	3549419C1	23	PLUG	-	-	-	-	3	K97C	18	VT	3549413C1	3549419C1	24	K17L	18	PK	3549413C1	3549419C1	4	PLUG	-	-	-	-	25	K24A	18	GY	3549413C1	3549419C1	5	K97J	18	VT	3549413C1	3549419C1	26	PLUG	-	-	-	-	6	K9V	16	WH	3549414C1	3549420C1	27	PLUG	-	-	-	-	7	K9W	16	WH	3549414C1	3549420C1	28	PLUG	-	-	-	-	8	K97F	16	VT	3549414C1	3549420C1	29	K99T	18	VT	3549413C1	3549419C1	9	K97Z	16	VT	3549414C1	3549420C1	30	PLUG	-	-	-	-	10	K47A	18	GY	3549413C1	3549419C1	31	K99S	18	VT	3549413C1	3549419C1	11	K92A	18	TN	3549413C1	3549419C1	32	K97K	18	VT	3549413C1	3549419C1	12	K23A	18	TN	3549413C1	3549419C1	33	K5V	20	YL	3549413C1	3549419C1	13	PLUG	-	-	-	-	34	K34A	18	TN	3549413C1	3549419C1	14	PLUG	-	-	-	-	35	K97AD	18	VT	3549413C1	3549419C1	15	PLUG	-	-	-	-	36	PLUG	-	-	-	-	16	PLUG	-	-	-	-	37	PLUG	-	-	-	-	17	K97D	18	VT	3549413C1	3549419C1	38	PLUG	-	-	-	-	18	PLUG	-	-	-	-	39	PLUG	-	-	-	-	19	PLUG	-	-	-	-	40	PLUG	-	-	-	-	20	K5AE	20	NONE	3549413C1	3549419C1	41	PLUG	-	-	-	-	21	K5W	20	GN	3549413C1	3549419C1	42	PLUG	-	-	-	-																																																																																								
CAV	CIR	GAUGE	COLOR	TERM	SEAL	CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																																																																																																																																																																												
1	K3A(+)	18	BK	3549413C1	3549419C1	22	K47	18	GY	3549413C1	3549419C1																																																																																																																																																																																																																																																																																																																																																												
2	K3B(-)	18	BK	3549413C1	3549419C1	23	PLUG	-	-	-	-																																																																																																																																																																																																																																																																																																																																																												
3	K97C	18	VT	3549413C1	3549419C1	24	K17L	18	PK	3549413C1	3549419C1																																																																																																																																																																																																																																																																																																																																																												
4	PLUG	-	-	-	-	25	K24A	18	GY	3549413C1	3549419C1																																																																																																																																																																																																																																																																																																																																																												
5	K97J	18	VT	3549413C1	3549419C1	26	PLUG	-	-	-	-																																																																																																																																																																																																																																																																																																																																																												
6	K9V	16	WH	3549414C1	3549420C1	27	PLUG	-	-	-	-																																																																																																																																																																																																																																																																																																																																																												
7	K9W	16	WH	3549414C1	3549420C1	28	PLUG	-	-	-	-																																																																																																																																																																																																																																																																																																																																																												
8	K97F	16	VT	3549414C1	3549420C1	29	K99T	18	VT	3549413C1	3549419C1																																																																																																																																																																																																																																																																																																																																																												
9	K97Z	16	VT	3549414C1	3549420C1	30	PLUG	-	-	-	-																																																																																																																																																																																																																																																																																																																																																												
10	K47A	18	GY	3549413C1	3549419C1	31	K99S	18	VT	3549413C1	3549419C1																																																																																																																																																																																																																																																																																																																																																												
11	K92A	18	TN	3549413C1	3549419C1	32	K97K	18	VT	3549413C1	3549419C1																																																																																																																																																																																																																																																																																																																																																												
12	K23A	18	TN	3549413C1	3549419C1	33	K5V	20	YL	3549413C1	3549419C1																																																																																																																																																																																																																																																																																																																																																												
13	PLUG	-	-	-	-	34	K34A	18	TN	3549413C1	3549419C1																																																																																																																																																																																																																																																																																																																																																												
14	PLUG	-	-	-	-	35	K97AD	18	VT	3549413C1	3549419C1																																																																																																																																																																																																																																																																																																																																																												
15	PLUG	-	-	-	-	36	PLUG	-	-	-	-																																																																																																																																																																																																																																																																																																																																																												
16	PLUG	-	-	-	-	37	PLUG	-	-	-	-																																																																																																																																																																																																																																																																																																																																																												
17	K97D	18	VT	3549413C1	3549419C1	38	PLUG	-	-	-	-																																																																																																																																																																																																																																																																																																																																																												
18	PLUG	-	-	-	-	39	PLUG	-	-	-	-																																																																																																																																																																																																																																																																																																																																																												
19	PLUG	-	-	-	-	40	PLUG	-	-	-	-																																																																																																																																																																																																																																																																																																																																																												
20	K5AE	20	NONE	3549413C1	3549419C1	41	PLUG	-	-	-	-																																																																																																																																																																																																																																																																																																																																																												
21	K5W	20	GN	3549413C1	3549419C1	42	PLUG	-	-	-	-																																																																																																																																																																																																																																																																																																																																																												
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																																																																																																																																																																																																																																																																	
PEC	19JAN01	PRODUCTION RELEASE.	A	P54304U	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																																																																																																																																																																																																																																																																																	
PEC	25JUN01	ADDED 6007-6012.	B	P54634F	P52778H	RELEASE NO.	DATE	PART NO.	SHEET																																																																																																																																																																																																																																																																																																																																																														
							31MAY00	AE08-52376	37																																																																																																																																																																																																																																																																																																																																																														

Figure 149 Connector Composites (6007), (6008), (6009), (6011), (6012)

12.38. CONNECTOR COMPOSITE (6013M), P. 38

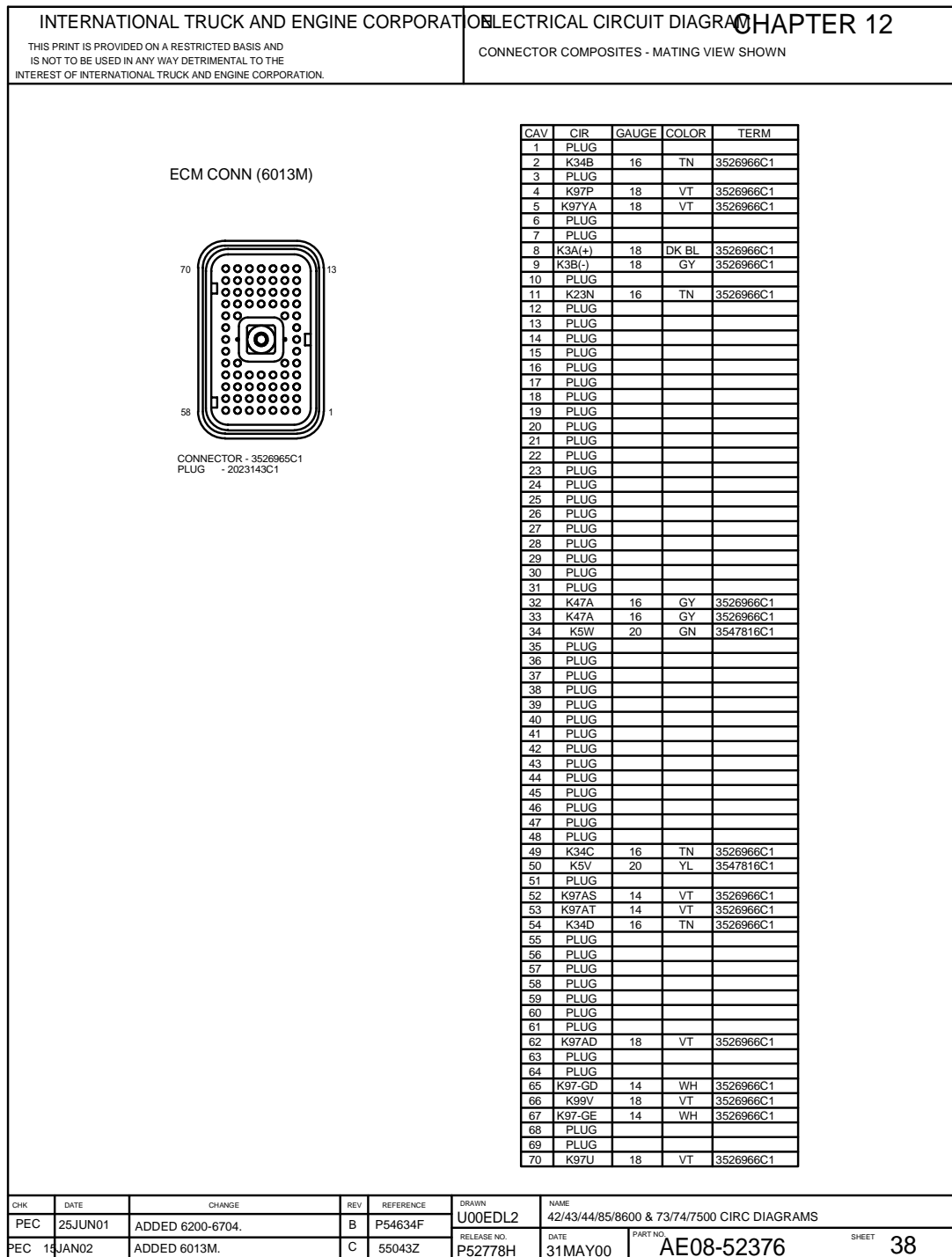


Figure 150 Connector Composite (6013M)

12.39. BLANK PAGE, P. 39

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 12			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN							
THIS PAGE INTENTIONALLY LEFT BLANK.											
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME					
PEC	25JUN01	ADDED 7103-7200.	B	P54634F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS					
PEC	15JAN02	REMOVED CONNECTORS.	C	55043Z	P52778H	RELEASE NO.	DATE	PART NO.	SHEET		
							31MAY00	AE08-52376	39		

Figure 151 Blank Page

12.40. CONNECTOR COMPOSITES (6200), (6316), (6323), (6332), (6333), (6334), (6400), (6401), (6406), (6407), (6409), (6500), (6550), P. 40

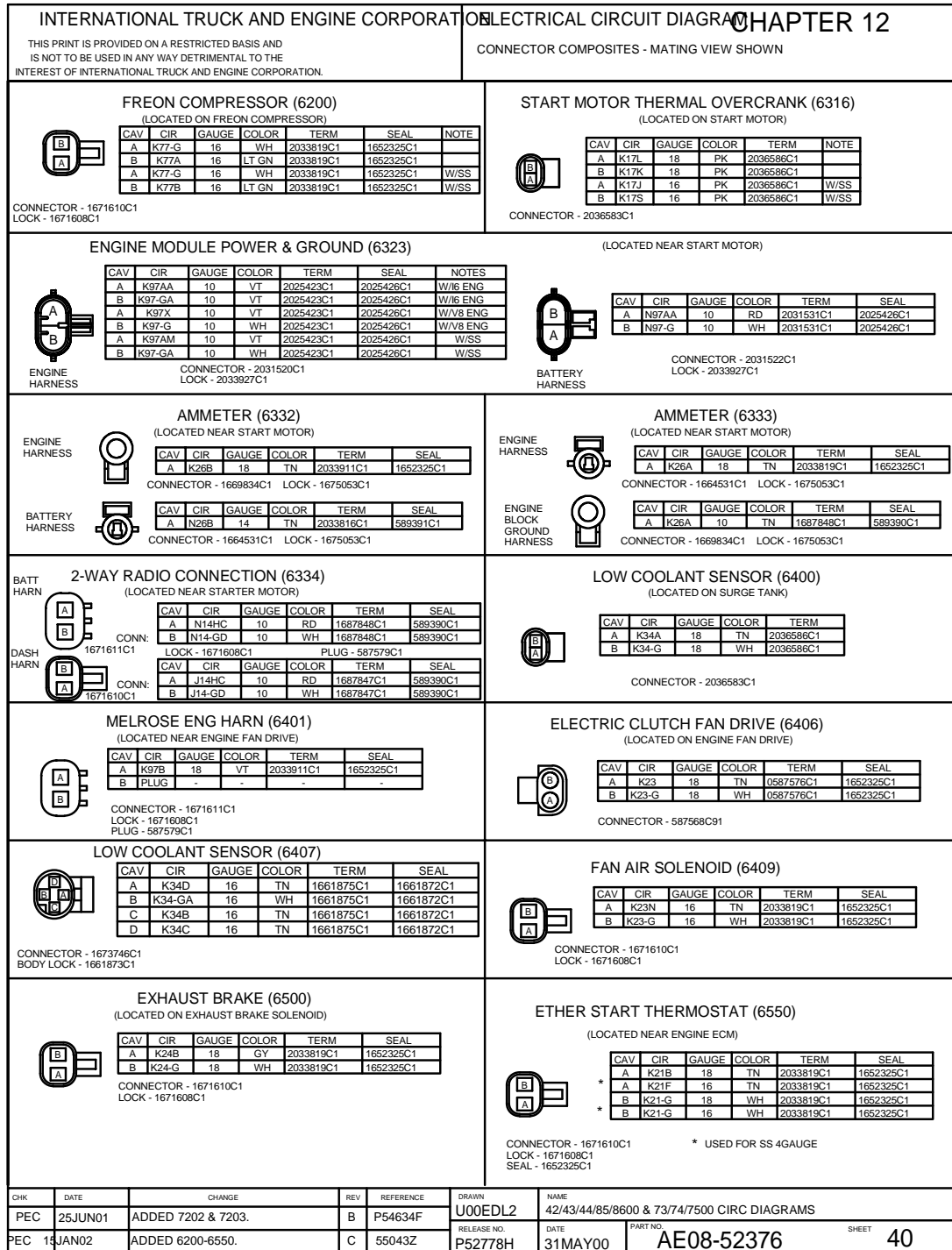


Figure 152 Connector Composites (6200), (6316), (6323), (6332), (6333), (6334), (6400), (6401), (6406), (6407), (6409), (6500), (6550)

12.41. CONNECTOR COMPOSITES (6703), (6704), (7103), (7104), (7104A), P. 41


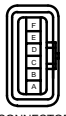





INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAMS CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																	
<p align="center">AMBIENT AIR TEMP SENSOR (6703) (LOCATED ON AIR FILTER HOUSING)</p>  <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K97E</td> <td>16</td> <td>VT</td> <td>1689464C1</td> </tr> <tr> <td>B</td> <td>K97S</td> <td>16</td> <td>VT</td> <td>1689464C1</td> </tr> </tbody> </table> <p>CONNECTOR - 1689462C1 LOCK - 1689463C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	K97E	16	VT	1689464C1	B	K97S	16	VT	1689464C1	<p align="center">GROUND SPLICE (6704) (LOCATED NEAR ENGINE ECM)</p>  <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K24-G</td> <td>18</td> <td>WH</td> <td>3535303C1</td> <td>3535424C1</td> </tr> <tr> <td>2</td> <td>K77-G</td> <td>18</td> <td>WH</td> <td>3535303C1</td> <td>3535424C1</td> </tr> <tr> <td>3</td> <td>K10-G</td> <td>18</td> <td>WH</td> <td>3535303C1</td> <td>3535424C1</td> </tr> <tr> <td>4</td> <td>K10-GA</td> <td>18</td> <td>WH</td> <td>3535303C1</td> <td>3535424C1</td> </tr> <tr> <td>5</td> <td>K34-G</td> <td>18</td> <td>WH</td> <td>3535303C1</td> <td>3535424C1</td> </tr> <tr> <td>6</td> <td>K21-G</td> <td>18</td> <td>WH</td> <td>3535303C1</td> <td>3535424C1</td> </tr> </tbody> </table> <p>CONNECTOR - 3543729C1 LOCK - 3543731C1 BUS BAR - 3543734C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	K24-G	18	WH	3535303C1	3535424C1	2	K77-G	18	WH	3535303C1	3535424C1	3	K10-G	18	WH	3535303C1	3535424C1	4	K10-GA	18	WH	3535303C1	3535424C1	5	K34-G	18	WH	3535303C1	3535424C1	6	K21-G	18	WH	3535303C1	3535424C1																																																																					
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																	
A	K97E	16	VT	1689464C1																																																																																																																																	
B	K97S	16	VT	1689464C1																																																																																																																																	
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																
1	K24-G	18	WH	3535303C1	3535424C1																																																																																																																																
2	K77-G	18	WH	3535303C1	3535424C1																																																																																																																																
3	K10-G	18	WH	3535303C1	3535424C1																																																																																																																																
4	K10-GA	18	WH	3535303C1	3535424C1																																																																																																																																
5	K34-G	18	WH	3535303C1	3535424C1																																																																																																																																
6	K21-G	18	WH	3535303C1	3535424C1																																																																																																																																
 <p align="center">2 SPEED AXLE BOOT CONNECTOR (7103)</p> <p>CONNECTOR - 1661198C1</p> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L93</td> <td>18</td> <td>TN</td> <td>1661208C1</td> <td>N/A</td> </tr> <tr> <td>B</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>C</td> <td>L93G</td> <td>18</td> <td>TN</td> <td>1661208C1</td> <td>N/A</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L93	18	TN	1661208C1	N/A	B	-	-	-	-	-	C	L93G	18	TN	1661208C1	N/A	<table border="1" style="margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L93</td> <td>18</td> <td>TN</td> <td>1661208C1</td> <td>N/A</td> </tr> <tr> <td>B</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>C</td> <td>L93G</td> <td>18</td> <td>TN</td> <td>1661208C1</td> <td>N/A</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L93	18	TN	1661208C1	N/A	B	-	-	-	-	-	C	L93G	18	TN	1661208C1	N/A																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																
A	L93	18	TN	1661208C1	N/A																																																																																																																																
B	-	-	-	-	-																																																																																																																																
C	L93G	18	TN	1661208C1	N/A																																																																																																																																
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																
A	L93	18	TN	1661208C1	N/A																																																																																																																																
B	-	-	-	-	-																																																																																																																																
C	L93G	18	TN	1661208C1	N/A																																																																																																																																
<p align="center">CLEAN BATTERY FEED (7104)</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>CONNECTOR - 1671610C1 LOCK - 1671608C1</p> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N92A</td> <td>10</td> <td>RD</td> <td>1687847C1</td> <td>0589390C1</td> </tr> <tr> <td>B</td> <td>N92-G</td> <td>10</td> <td>WH</td> <td>1687847C1</td> <td>0589390C1</td> </tr> </tbody> </table> </div> <div style="text-align: center;">  <p>CONNECTOR - 1671611C1 LOCK - 1671608C1</p> <p>WTEC W/6</p> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L92#136</td> <td>10</td> <td>TN</td> <td>1687848C1</td> <td>0589390C1</td> </tr> <tr> <td>B</td> <td>L92#143</td> <td>10</td> <td>TN</td> <td>1687848C1</td> <td>0589390C1</td> </tr> </tbody> </table> <p>LCT W/6</p> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L92#103</td> <td>18</td> <td>TN</td> <td>2033911C1</td> <td>3517771C1</td> </tr> <tr> <td>B</td> <td>L92-G</td> <td>18</td> <td>TN</td> <td>2033911C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p>WTEC OR LCT W/8</p> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K92B</td> <td>10</td> <td>TN</td> <td>1687848C1</td> <td>0589390C1</td> </tr> <tr> <td>B</td> <td>K92-G</td> <td>10</td> <td>TN</td> <td>1687848C1</td> <td>0589390C1</td> </tr> </tbody> </table> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N92A	10	RD	1687847C1	0589390C1	B	N92-G	10	WH	1687847C1	0589390C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L92#136	10	TN	1687848C1	0589390C1	B	L92#143	10	TN	1687848C1	0589390C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L92#103	18	TN	2033911C1	3517771C1	B	L92-G	18	TN	2033911C1	1652325C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K92B	10	TN	1687848C1	0589390C1	B	K92-G	10	TN	1687848C1	0589390C1	<p align="center">ENG/TRANS POWER & GND (7104A)</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>CONNECTOR - 1671610C1 LOCK - 1671608C1</p> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K92B</td> <td>10</td> <td>TN</td> <td>1687847C1</td> <td>0589390C1</td> </tr> <tr> <td>B</td> <td>K92-G</td> <td>10</td> <td>TN</td> <td>1687847C1</td> <td>0589390C1</td> </tr> </tbody> </table> </div> <div style="text-align: center;">  <p>CONNECTOR - 1671611C1 LOCK - 1671608C1</p> <p>WTEC W/8</p> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L92#136</td> <td>10</td> <td>TN</td> <td>1687848C1</td> <td>0589390C1</td> </tr> <tr> <td>B</td> <td>L92#143</td> <td>10</td> <td>TN</td> <td>1687848C1</td> <td>0589390C1</td> </tr> </tbody> </table> <p>LCT W/8</p> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L92#103</td> <td>18</td> <td>TN</td> <td>2033911C1</td> <td>3517771C1</td> </tr> <tr> <td>B</td> <td>L92-G</td> <td>18</td> <td>TN</td> <td>2033911C1</td> <td>1652325C1</td> </tr> </tbody> </table> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K92B	10	TN	1687847C1	0589390C1	B	K92-G	10	TN	1687847C1	0589390C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L92#136	10	TN	1687848C1	0589390C1	B	L92#143	10	TN	1687848C1	0589390C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L92#103	18	TN	2033911C1	3517771C1	B	L92-G	18	TN	2033911C1	1652325C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																
A	N92A	10	RD	1687847C1	0589390C1																																																																																																																																
B	N92-G	10	WH	1687847C1	0589390C1																																																																																																																																
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																
A	L92#136	10	TN	1687848C1	0589390C1																																																																																																																																
B	L92#143	10	TN	1687848C1	0589390C1																																																																																																																																
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																
A	L92#103	18	TN	2033911C1	3517771C1																																																																																																																																
B	L92-G	18	TN	2033911C1	1652325C1																																																																																																																																
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																
A	K92B	10	TN	1687848C1	0589390C1																																																																																																																																
B	K92-G	10	TN	1687848C1	0589390C1																																																																																																																																
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																
A	K92B	10	TN	1687847C1	0589390C1																																																																																																																																
B	K92-G	10	TN	1687847C1	0589390C1																																																																																																																																
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																
A	L92#136	10	TN	1687848C1	0589390C1																																																																																																																																
B	L92#143	10	TN	1687848C1	0589390C1																																																																																																																																
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																
A	L92#103	18	TN	2033911C1	3517771C1																																																																																																																																
B	L92-G	18	TN	2033911C1	1652325C1																																																																																																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> <th>RELEASE NO.</th> <th>DATE</th> <th>PART NO.</th> <th>SHEET</th> </tr> <tr> <td>PEC</td> <td>25 JUN01</td> <td>ADDED 7204-7206.</td> <td>B</td> <td>P54634F</td> <td>U00EDL2</td> <td>42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PEC</td> <td>15 JAN02</td> <td>ADDED 6703-7104A.</td> <td>C</td> <td>55043Z</td> <td>P52778H</td> <td></td> <td></td> <td>31 MAY00</td> <td>AE08-52376</td> <td>41</td> </tr> </table>								CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	RELEASE NO.	DATE	PART NO.	SHEET	PEC	25 JUN01	ADDED 7204-7206.	B	P54634F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS					PEC	15 JAN02	ADDED 6703-7104A.	C	55043Z	P52778H			31 MAY00	AE08-52376	41																																																																																													
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	RELEASE NO.	DATE	PART NO.	SHEET																																																																																																																											
PEC	25 JUN01	ADDED 7204-7206.	B	P54634F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																																															
PEC	15 JAN02	ADDED 6703-7104A.	C	55043Z	P52778H			31 MAY00	AE08-52376	41																																																																																																																											

Figure 153 Connector Composites (6703), (6704), (7103), (7104), (7104A)

12.42. CONNECTOR COMPOSITES (7200), (7202), (7203), P. 42

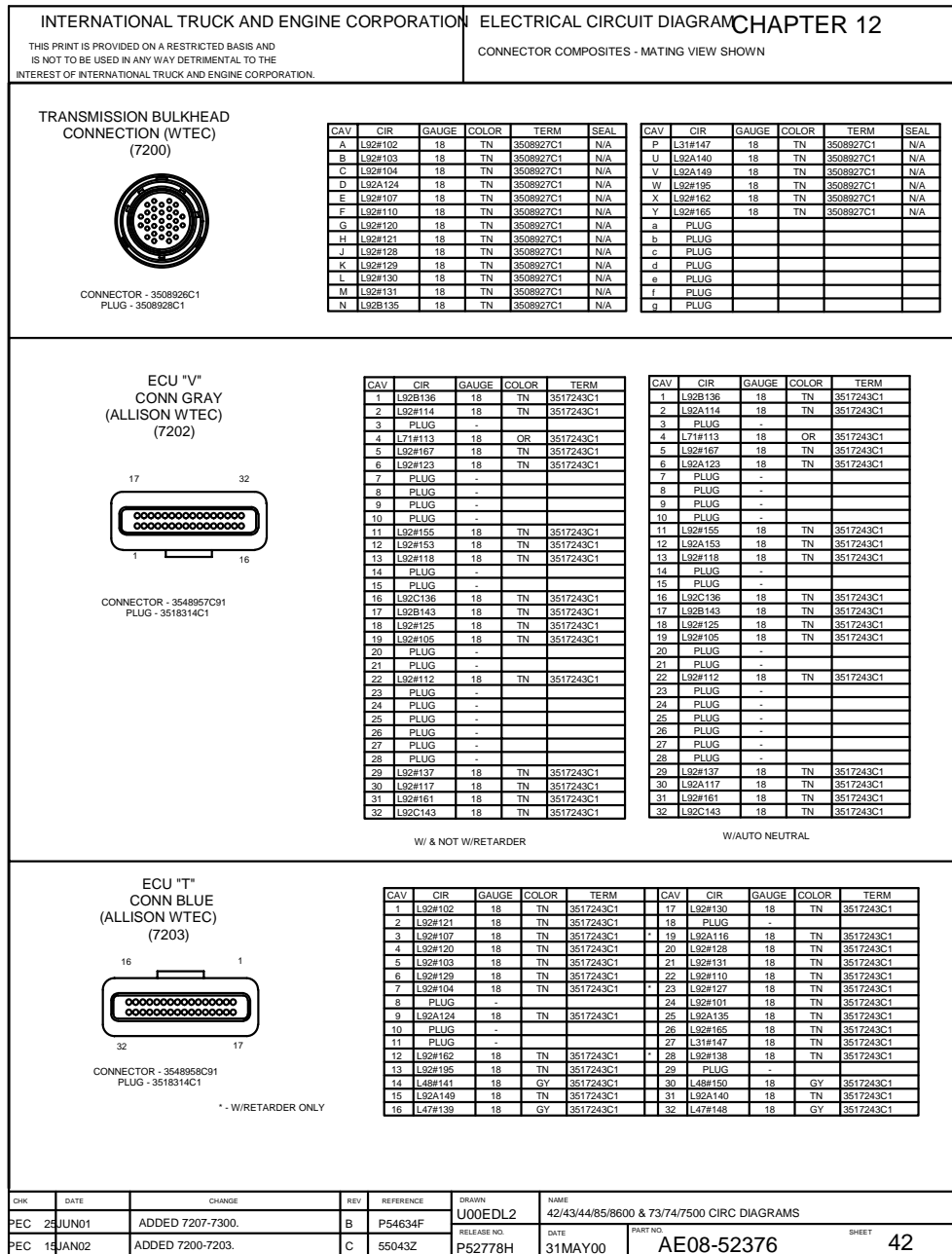


Figure 154 Connector Composites Connector Composites (7200), (7202), (7203)

12.43. CONNECTOR COMPOSITES (7204), (7205), (7206), P. 43

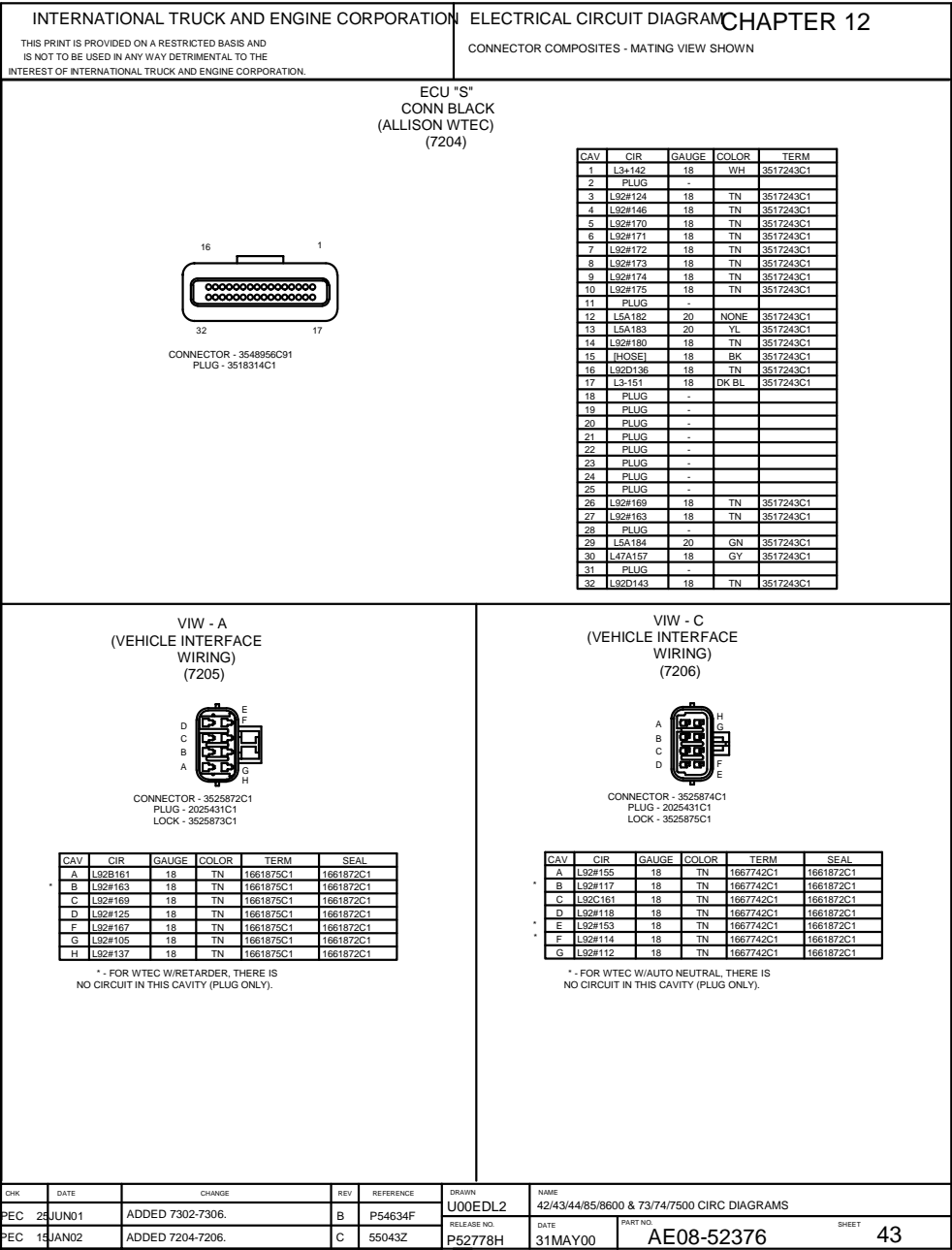


Figure 155 Connector Composites (7204), (7205), (7206)

12.44. CONNECTOR COMPOSITES (7207), (7208), (7211), (7212), (7213), (7300), (7301), P. 44








INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																											
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																											
J1939 CONNECTOR SPLICE (7207)  CONNECTOR - 3537127C1 PLUG - 3537132C1				J1939 CONNECTOR SPLICE (7208)  CONNECTOR - 3537127C1 PLUG - 3537132C1																																																																																																																											
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>1</td><td>L5B183</td><td>20</td><td>YL</td><td>3537131C1</td></tr> <tr><td>2</td><td>L5B182</td><td>20</td><td>NONE</td><td>3537131C1</td></tr> <tr><td>3</td><td>L5B184</td><td>20</td><td>GN</td><td>3537131C1</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	L5B183	20	YL	3537131C1	2	L5B182	20	NONE	3537131C1	3	L5B184	20	GN	3537131C1	4	PLUG	-	-	-	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>1</td><td>L5A183</td><td>20</td><td>YL</td><td>3537131C1</td></tr> <tr><td>2</td><td>L5A182</td><td>20</td><td>NONE</td><td>3537131C1</td></tr> <tr><td>3</td><td>L5A184</td><td>20</td><td>GN</td><td>3537131C1</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	L5A183	20	YL	3537131C1	2	L5A182	20	NONE	3537131C1	3	L5A184	20	GN	3537131C1	4	PLUG	-	-	-																																																																						
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																											
1	L5B183	20	YL	3537131C1																																																																																																																											
2	L5B182	20	NONE	3537131C1																																																																																																																											
3	L5B184	20	GN	3537131C1																																																																																																																											
4	PLUG	-	-	-																																																																																																																											
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																											
1	L5A183	20	YL	3537131C1																																																																																																																											
2	L5A182	20	NONE	3537131C1																																																																																																																											
3	L5A184	20	GN	3537131C1																																																																																																																											
4	PLUG	-	-	-																																																																																																																											
RETARDER TEMP SENDER (7211)  CONNECTOR - 3524377C1 PLUG - 1687788C1				RETARDER ACCUMULATOR SOLENOID (7212)  CONNECTOR - 3524378C1 PLUG - 1687788C1																																																																																																																											
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>L92#138</td><td>18</td><td>TN</td><td>2036586C1</td></tr> <tr><td>B</td><td>L92C135</td><td>18</td><td>TN</td><td>2036586C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L92#138	18	TN	2036586C1	B	L92C135	18	TN	2036586C1	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>L92#101</td><td>18</td><td>TN</td><td>2036586C1</td></tr> <tr><td>B</td><td>L92N116</td><td>18</td><td>TN</td><td>2036586C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L92#101	18	TN	2036586C1	B	L92N116	18	TN	2036586C1																																																																																										
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																											
A	L92#138	18	TN	2036586C1																																																																																																																											
B	L92C135	18	TN	2036586C1																																																																																																																											
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																											
A	L92#101	18	TN	2036586C1																																																																																																																											
B	L92N116	18	TN	2036586C1																																																																																																																											
RETARDER SOLENOID (7213)  CONNECTOR - 2036584C1 PLUG - 1687788C1				TRANSMISSION BULKHEAD (LCT) (7300)  CONNECTOR - 3522537C91 PLUG - 3518314C1 LOCK - 3518287C1																																																																																																																											
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>L92#127</td><td>18</td><td>TN</td><td>2036586C1</td></tr> <tr><td>B</td><td>L92C116</td><td>18</td><td>TN</td><td>2036586C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L92#127	18	TN	2036586C1	B	L92C116	18	TN	2036586C1	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>L92#226</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>B</td><td>L92#227</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>C</td><td>L92#231</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>D</td><td>L92#201</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>E</td><td>L92#203</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>F</td><td>L92#202</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>G</td><td>L31#210</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>H</td><td>L92A220</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>J</td><td>L92#229</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>K</td><td>L92#204</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>L</td><td>L92#222</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>M</td><td>L92#223</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>N</td><td>L92#224</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>P</td><td>L92#225</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>R</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>S</td><td>L92#232</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>T</td><td>L92#221</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>U</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>V</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>W</td><td>L92#228</td><td>18</td><td>TN</td><td>3517243C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L92#226	18	TN	3517243C1	B	L92#227	18	TN	3517243C1	C	L92#231	18	TN	3517243C1	D	L92#201	18	TN	3517243C1	E	L92#203	18	TN	3517243C1	F	L92#202	18	TN	3517243C1	G	L31#210	18	TN	3517243C1	H	L92A220	18	TN	3517243C1	J	L92#229	18	TN	3517243C1	K	L92#204	18	TN	3517243C1	L	L92#222	18	TN	3517243C1	M	L92#223	18	TN	3517243C1	N	L92#224	18	TN	3517243C1	P	L92#225	18	TN	3517243C1	R	PLUG	-	-	-	S	L92#232	18	TN	3517243C1	T	L92#221	18	TN	3517243C1	U	PLUG	-	-	-	V	PLUG	-	-	-	W	L92#228	18	TN	3517243C1
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																											
A	L92#127	18	TN	2036586C1																																																																																																																											
B	L92C116	18	TN	2036586C1																																																																																																																											
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																											
A	L92#226	18	TN	3517243C1																																																																																																																											
B	L92#227	18	TN	3517243C1																																																																																																																											
C	L92#231	18	TN	3517243C1																																																																																																																											
D	L92#201	18	TN	3517243C1																																																																																																																											
E	L92#203	18	TN	3517243C1																																																																																																																											
F	L92#202	18	TN	3517243C1																																																																																																																											
G	L31#210	18	TN	3517243C1																																																																																																																											
H	L92A220	18	TN	3517243C1																																																																																																																											
J	L92#229	18	TN	3517243C1																																																																																																																											
K	L92#204	18	TN	3517243C1																																																																																																																											
L	L92#222	18	TN	3517243C1																																																																																																																											
M	L92#223	18	TN	3517243C1																																																																																																																											
N	L92#224	18	TN	3517243C1																																																																																																																											
P	L92#225	18	TN	3517243C1																																																																																																																											
R	PLUG	-	-	-																																																																																																																											
S	L92#232	18	TN	3517243C1																																																																																																																											
T	L92#221	18	TN	3517243C1																																																																																																																											
U	PLUG	-	-	-																																																																																																																											
V	PLUG	-	-	-																																																																																																																											
W	L92#228	18	TN	3517243C1																																																																																																																											
NSBU SWITCH VEHICLE (NEUTRAL SAFETY BACK-UP) (7301)  CONNECTOR - 3534635C1 PLUG - 2025431C1 LOCK - 3534634C1																																																																																																																															
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>L71</td><td>16</td><td>OR</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>D</td><td>L92B220</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>E</td><td>L13M3</td><td>18</td><td>PK</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>F</td><td>L71A</td><td>16</td><td>OR</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>G</td><td>L17E</td><td>18</td><td>PK</td><td>2033819C1</td><td>3517771C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	PLUG	-	-	-	-	B	PLUG	-	-	-	-	C	L71	16	OR	1661875C1	1661872C1	D	L92B220	18	TN	1661875C1	1661872C1	E	L13M3	18	PK	2033819C1	1652325C1	F	L71A	16	OR	1661875C1	1661872C1	G	L17E	18	PK	2033819C1	3517771C1																																																																												
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																										
A	PLUG	-	-	-	-																																																																																																																										
B	PLUG	-	-	-	-																																																																																																																										
C	L71	16	OR	1661875C1	1661872C1																																																																																																																										
D	L92B220	18	TN	1661875C1	1661872C1																																																																																																																										
E	L13M3	18	PK	2033819C1	1652325C1																																																																																																																										
F	L71A	16	OR	1661875C1	1661872C1																																																																																																																										
G	L17E	18	PK	2033819C1	3517771C1																																																																																																																										
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																									
PEC	25 JUN01	ADDED 7307-7606.	B	P54634F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																																									
PEC	15 JAN02	ADDED 7207-7300.	C	55043Z	P52778H	RELEASE NO.	DATE																																																																																																																								
						31 MAY00	PART NO.																																																																																																																								
							AE08-52376																																																																																																																								
							SHEET 44																																																																																																																								

Figure 156 Connector Composites (7207), (7208), (7211), (7212), (7213), (7300), (7301)

12.45. CONNECTOR COMPOSITES (7302), (7304), (7305), (7306), (7307), (7309), (7500), (7502), (7600), (7601), P. 45


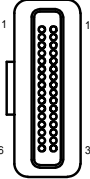
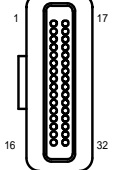
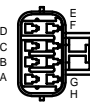






INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																														
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																																														
NSBU SWITCH (NEUTRAL SAFETY BACK-UP) (7302)				ECU - "J2" CONN RED (ALLISON LCT) (7304)																																																																																																																																																																																																																														
 <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>L92#205</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>L92#207</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>L92#208</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>D</td><td>L92#206</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L92#205	18	TN	1661875C1	1661872C1	B	L92#207	18	TN	1661875C1	1661872C1	C	L92#208	18	TN	1661875C1	1661872C1	D	L92#206	18	TN	1661875C1	1661872C1	 <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>1</td><td>L92#201</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>2</td><td>L92#202</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>3</td><td>L92#203</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>4</td><td>L92#204</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>5</td><td>L92#205</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>6</td><td>L92#206</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>7</td><td>L92#207</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>8</td><td>L92#208</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>9</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>L31#210</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>11</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>12</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>13</td><td>L92#213</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>14</td><td>L92#214</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>15</td><td>L47#215</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>16</td><td>L47#216</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>17</td><td>L48#217</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>18</td><td>L48#218</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>19</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>20</td><td>L92#220</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>21</td><td>L92#221</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>22</td><td>L92#222</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>23</td><td>L92#223</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>24</td><td>L92#224</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>25</td><td>L92#225</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>26</td><td>L92#226</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>27</td><td>L92#227</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>28</td><td>L92#228</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>29</td><td>L92#229</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>30</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>31</td><td>L92#231</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>32</td><td>L92#232</td><td>18</td><td>TN</td><td>3517243C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	L92#201	18	TN	3517243C1	2	L92#202	18	TN	3517243C1	3	L92#203	18	TN	3517243C1	4	L92#204	18	TN	3517243C1	5	L92#205	18	TN	3517243C1	6	L92#206	18	TN	3517243C1	7	L92#207	18	TN	3517243C1	8	L92#208	18	TN	3517243C1	9	PLUG	-	-	-	10	L31#210	18	TN	3517243C1	11	PLUG	-	-	-	12	PLUG	-	-	-	13	L92#213	18	TN	3517243C1	14	L92#214	18	TN	3517243C1	15	L47#215	18	GY	3517243C1	16	L47#216	18	GY	3517243C1	17	L48#217	18	GY	3517243C1	18	L48#218	18	GY	3517243C1	19	PLUG	-	-	-	20	L92#220	18	TN	3517243C1	21	L92#221	18	TN	3517243C1	22	L92#222	18	TN	3517243C1	23	L92#223	18	TN	3517243C1	24	L92#224	18	TN	3517243C1	25	L92#225	18	TN	3517243C1	26	L92#226	18	TN	3517243C1	27	L92#227	18	TN	3517243C1	28	L92#228	18	TN	3517243C1	29	L92#229	18	TN	3517243C1	30	PLUG	-	-	-	31	L92#231	18	TN	3517243C1	32	L92#232	18	TN	3517243C1																								
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																																													
A	L92#205	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																													
B	L92#207	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																													
C	L92#208	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																													
D	L92#206	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																													
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																														
1	L92#201	18	TN	3517243C1																																																																																																																																																																																																																														
2	L92#202	18	TN	3517243C1																																																																																																																																																																																																																														
3	L92#203	18	TN	3517243C1																																																																																																																																																																																																																														
4	L92#204	18	TN	3517243C1																																																																																																																																																																																																																														
5	L92#205	18	TN	3517243C1																																																																																																																																																																																																																														
6	L92#206	18	TN	3517243C1																																																																																																																																																																																																																														
7	L92#207	18	TN	3517243C1																																																																																																																																																																																																																														
8	L92#208	18	TN	3517243C1																																																																																																																																																																																																																														
9	PLUG	-	-	-																																																																																																																																																																																																																														
10	L31#210	18	TN	3517243C1																																																																																																																																																																																																																														
11	PLUG	-	-	-																																																																																																																																																																																																																														
12	PLUG	-	-	-																																																																																																																																																																																																																														
13	L92#213	18	TN	3517243C1																																																																																																																																																																																																																														
14	L92#214	18	TN	3517243C1																																																																																																																																																																																																																														
15	L47#215	18	GY	3517243C1																																																																																																																																																																																																																														
16	L47#216	18	GY	3517243C1																																																																																																																																																																																																																														
17	L48#217	18	GY	3517243C1																																																																																																																																																																																																																														
18	L48#218	18	GY	3517243C1																																																																																																																																																																																																																														
19	PLUG	-	-	-																																																																																																																																																																																																																														
20	L92#220	18	TN	3517243C1																																																																																																																																																																																																																														
21	L92#221	18	TN	3517243C1																																																																																																																																																																																																																														
22	L92#222	18	TN	3517243C1																																																																																																																																																																																																																														
23	L92#223	18	TN	3517243C1																																																																																																																																																																																																																														
24	L92#224	18	TN	3517243C1																																																																																																																																																																																																																														
25	L92#225	18	TN	3517243C1																																																																																																																																																																																																																														
26	L92#226	18	TN	3517243C1																																																																																																																																																																																																																														
27	L92#227	18	TN	3517243C1																																																																																																																																																																																																																														
28	L92#228	18	TN	3517243C1																																																																																																																																																																																																																														
29	L92#229	18	TN	3517243C1																																																																																																																																																																																																																														
30	PLUG	-	-	-																																																																																																																																																																																																																														
31	L92#231	18	TN	3517243C1																																																																																																																																																																																																																														
32	L92#232	18	TN	3517243C1																																																																																																																																																																																																																														
ECU - "J1" CONN GRAY (ALLISON LCT) (7305)  <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>1</td><td>L92#101</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>2</td><td>L13#102</td><td>18</td><td>PK</td><td>3517243C1</td></tr> <tr><td>3</td><td>L92#103</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>4</td><td>L13#104</td><td>18</td><td>PK</td><td>3517243C1</td></tr> <tr><td>5</td><td>L92#105</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>6</td><td>L92#106</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>7</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>8</td><td>L92#108</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>9</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>L92#110</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>11</td><td>L92#111</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>12</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>13</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>14</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>15</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>16</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>17</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>18</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>19</td><td>L92#119</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>20</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>21</td><td>L92#121</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>22</td><td>L92#122</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>23</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>24</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>25</td><td>[HOSE]</td><td>18</td><td>BK</td><td>3517243C1</td></tr> <tr><td>26</td><td>L47#126</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>27</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>28</td><td>L92#128</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>29</td><td>L5#129</td><td>20</td><td>YL</td><td>3517243C1</td></tr> <tr><td>30</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>31</td><td>L5#131</td><td>20</td><td>NONE</td><td>3517243C1</td></tr> <tr><td>32</td><td>L5#132</td><td>20</td><td>GN</td><td>3517243C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	L92#101	18	TN	3517243C1	2	L13#102	18	PK	3517243C1	3	L92#103	18	TN	3517243C1	4	L13#104	18	PK	3517243C1	5	L92#105	18	TN	3517243C1	6	L92#106	18	TN	3517243C1	7	PLUG	-	-	-	8	L92#108	18	TN	3517243C1	9	PLUG	-	-	-	10	L92#110	18	TN	3517243C1	11	L92#111	18	TN	3517243C1	12	PLUG	-	-	-	13	PLUG	-	-	-	14	PLUG	-	-	-	15	PLUG	-	-	-	16	PLUG	-	-	-	17	PLUG	-	-	-	18	PLUG	-	-	-	19	L92#119	18	TN	3517243C1	20	PLUG	-	-	-	21	L92#121	18	TN	3517243C1	22	L92#122	18	TN	3517243C1	23	PLUG	-	-	-	24	PLUG	-	-	-	25	[HOSE]	18	BK	3517243C1	26	L47#126	18	GY	3517243C1	27	PLUG	-	-	-	28	L92#128	18	TN	3517243C1	29	L5#129	20	YL	3517243C1	30	PLUG	-	-	-	31	L5#131	20	NONE	3517243C1	32	L5#132	20	GN	3517243C1	VIW - C (VEHICLE INTEGRATED WIRING) (ALLISON LCT) (7306)  <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>L92C128</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>L92#106</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>L92#119</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>D</td><td>L47C126</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>E</td><td>L92#111</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>F</td><td>L92#108</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>G</td><td>L92#121</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>H</td><td>L92#122</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L92C128	18	TN	1661875C1	1661872C1	B	L92#106	18	TN	1661875C1	1661872C1	C	L92#119	18	TN	1661875C1	1661872C1	D	L47C126	18	GY	1661875C1	1661872C1	E	L92#111	18	TN	1661875C1	1661872C1	F	L92#108	18	TN	1661875C1	1661872C1	G	L92#121	18	TN	1661875C1	1661872C1	H	L92#122	18	TN	1661875C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																														
1	L92#101	18	TN	3517243C1																																																																																																																																																																																																																														
2	L13#102	18	PK	3517243C1																																																																																																																																																																																																																														
3	L92#103	18	TN	3517243C1																																																																																																																																																																																																																														
4	L13#104	18	PK	3517243C1																																																																																																																																																																																																																														
5	L92#105	18	TN	3517243C1																																																																																																																																																																																																																														
6	L92#106	18	TN	3517243C1																																																																																																																																																																																																																														
7	PLUG	-	-	-																																																																																																																																																																																																																														
8	L92#108	18	TN	3517243C1																																																																																																																																																																																																																														
9	PLUG	-	-	-																																																																																																																																																																																																																														
10	L92#110	18	TN	3517243C1																																																																																																																																																																																																																														
11	L92#111	18	TN	3517243C1																																																																																																																																																																																																																														
12	PLUG	-	-	-																																																																																																																																																																																																																														
13	PLUG	-	-	-																																																																																																																																																																																																																														
14	PLUG	-	-	-																																																																																																																																																																																																																														
15	PLUG	-	-	-																																																																																																																																																																																																																														
16	PLUG	-	-	-																																																																																																																																																																																																																														
17	PLUG	-	-	-																																																																																																																																																																																																																														
18	PLUG	-	-	-																																																																																																																																																																																																																														
19	L92#119	18	TN	3517243C1																																																																																																																																																																																																																														
20	PLUG	-	-	-																																																																																																																																																																																																																														
21	L92#121	18	TN	3517243C1																																																																																																																																																																																																																														
22	L92#122	18	TN	3517243C1																																																																																																																																																																																																																														
23	PLUG	-	-	-																																																																																																																																																																																																																														
24	PLUG	-	-	-																																																																																																																																																																																																																														
25	[HOSE]	18	BK	3517243C1																																																																																																																																																																																																																														
26	L47#126	18	GY	3517243C1																																																																																																																																																																																																																														
27	PLUG	-	-	-																																																																																																																																																																																																																														
28	L92#128	18	TN	3517243C1																																																																																																																																																																																																																														
29	L5#129	20	YL	3517243C1																																																																																																																																																																																																																														
30	PLUG	-	-	-																																																																																																																																																																																																																														
31	L5#131	20	NONE	3517243C1																																																																																																																																																																																																																														
32	L5#132	20	GN	3517243C1																																																																																																																																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																																													
A	L92C128	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																													
B	L92#106	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																													
C	L92#119	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																													
D	L47C126	18	GY	1661875C1	1661872C1																																																																																																																																																																																																																													
E	L92#111	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																													
F	L92#108	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																													
G	L92#121	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																													
H	L92#122	18	TN	1661875C1	1661872C1																																																																																																																																																																																																																													
J1939 SPLICE (7307)  <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>1</td><td>L5A(+)</td><td>20</td><td>YL</td><td>3537131C1</td></tr> <tr><td>2</td><td>L5A(S)</td><td>20</td><td>NONE</td><td>3537131C1</td></tr> <tr><td>3</td><td>L5A(-)</td><td>20</td><td>GN</td><td>3537131C1</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	L5A(+)	20	YL	3537131C1	2	L5A(S)	20	NONE	3537131C1	3	L5A(-)	20	GN	3537131C1	4	PLUG	-	-	-	J1939 SPLICE (7309)  <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>1</td><td>L5#129</td><td>20</td><td>YL</td><td>3537131C1</td></tr> <tr><td>2</td><td>L5#131</td><td>20</td><td>NONE</td><td>3537131C1</td></tr> <tr><td>3</td><td>L5#132</td><td>20</td><td>GN</td><td>3537131C1</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	L5#129	20	YL	3537131C1	2	L5#131	20	NONE	3537131C1	3	L5#132	20	GN	3537131C1	4	PLUG	-	-	-																																																																																																																																																																									
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																														
1	L5A(+)	20	YL	3537131C1																																																																																																																																																																																																																														
2	L5A(S)	20	NONE	3537131C1																																																																																																																																																																																																																														
3	L5A(-)	20	GN	3537131C1																																																																																																																																																																																																																														
4	PLUG	-	-	-																																																																																																																																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																														
1	L5#129	20	YL	3537131C1																																																																																																																																																																																																																														
2	L5#131	20	NONE	3537131C1																																																																																																																																																																																																																														
3	L5#132	20	GN	3537131C1																																																																																																																																																																																																																														
4	PLUG	-	-	-																																																																																																																																																																																																																														
BACK-UP LIGHT SWITCH (7500)  <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>L71B</td><td>16</td><td>OR</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>L71C</td><td>16</td><td>OR</td><td>1661875C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L71B	16	OR	1661875C1	1661872C1	B	L71C	16	OR	1661875C1	1661872C1	BACK-UP LIGHT (7502)  <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>L71</td><td>16</td><td>OR</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>L71A</td><td>16</td><td>OR</td><td>1661875C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L71	16	OR	1661875C1	1661872C1	B	L71A	16	OR	1661875C1	1661872C1																																																																																																																																																																																							
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																																													
A	L71B	16	OR	1661875C1	1661872C1																																																																																																																																																																																																																													
B	L71C	16	OR	1661875C1	1661872C1																																																																																																																																																																																																																													
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																																													
A	L71	16	OR	1661875C1	1661872C1																																																																																																																																																																																																																													
B	L71A	16	OR	1661875C1	1661872C1																																																																																																																																																																																																																													
OUTPUT SPEED SENSOR (7600)  <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>L47#215</td><td>18</td><td>GY</td><td>2036586C1</td></tr> <tr><td>B</td><td>L47#216</td><td>18</td><td>GY</td><td>2036586C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L47#215	18	GY	2036586C1	B	L47#216	18	GY	2036586C1	SPEEDO SENSOR (7601)  <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>L47D</td><td>18</td><td>GY</td><td>2036586C1</td></tr> <tr><td>B</td><td>L47E</td><td>18</td><td>GY</td><td>2036586C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L47D	18	GY	2036586C1	B	L47E	18	GY	2036586C1																																																																																																																																																																																													
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																														
A	L47#215	18	GY	2036586C1																																																																																																																																																																																																																														
B	L47#216	18	GY	2036586C1																																																																																																																																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																																														
A	L47D	18	GY	2036586C1																																																																																																																																																																																																																														
B	L47E	18	GY	2036586C1																																																																																																																																																																																																																														
<table border="1" style="width:100%; font-size: x-small;"> <tr><th>CHK</th><th>DATE</th><th>CHANGE</th><th>REV</th><th>REFERENCE</th></tr> <tr><td>PEC</td><td>25JUN01</td><td>ADDED 7607-7700.</td><td>B</td><td>P54634F</td></tr> <tr><td>PEC</td><td>15JAN02</td><td>ADDED 7302-7601.</td><td>C</td><td>55043Z</td></tr> </table>				CHK	DATE	CHANGE	REV	REFERENCE	PEC	25JUN01	ADDED 7607-7700.	B	P54634F	PEC	15JAN02	ADDED 7302-7601.	C	55043Z	<table border="1" style="width:100%; font-size: x-small;"> <tr><th>DRAWN</th><th>NAME</th></tr> <tr><td>U00EDL2</td><td>42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS</td></tr> <tr><th>RELEASE NO.</th><th>DATE</th></tr> <tr><td>P52778H</td><td>31MAY00</td></tr> <tr><th>PART NO.</th><th>SHEET</th></tr> <tr><td>AE08-52376</td><td>45</td></tr> </table>				DRAWN	NAME	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	RELEASE NO.	DATE	P52778H	31MAY00	PART NO.	SHEET	AE08-52376	45																																																																																																																																																																																																
CHK	DATE	CHANGE	REV	REFERENCE																																																																																																																																																																																																																														
PEC	25JUN01	ADDED 7607-7700.	B	P54634F																																																																																																																																																																																																																														
PEC	15JAN02	ADDED 7302-7601.	C	55043Z																																																																																																																																																																																																																														
DRAWN	NAME																																																																																																																																																																																																																																	
U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																																																																																																																																																	
RELEASE NO.	DATE																																																																																																																																																																																																																																	
P52778H	31MAY00																																																																																																																																																																																																																																	
PART NO.	SHEET																																																																																																																																																																																																																																	
AE08-52376	45																																																																																																																																																																																																																																	

Figure 157 Connector Composites (7302), (7304), (7305), (7306), (7307), (7309), (7500), (7502), (7600), (7601)

12.46. CONNECTOR COMPOSITES (7603), (7604), (7605), (7606), (7607), (7608), (7609), (7610), (7611), (7700), P. 46











INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																										
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																										
ENGINE SPEED SENSOR (7603)  CONNECTOR - 2036583C1 <table border="1" style="margin: auto; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>L48#141</td><td>18</td><td>GY</td><td>2036586C1</td></tr> <tr><td>B</td><td>L48#150</td><td>18</td><td>GY</td><td>2036586C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L48#141	18	GY	2036586C1	B	L48#150	18	GY	2036586C1	ENGINE SPEED SENSOR (7604)  CONNECTOR - 2036583C1 <table border="1" style="margin: auto; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>L48#217</td><td>18</td><td>GY</td><td>2036586C1</td></tr> <tr><td>B</td><td>L48#218</td><td>18</td><td>GY</td><td>2036586C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L48#217	18	GY	2036586C1	B	L48#218	18	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L48#141	18	GY	2036586C1																																										
B	L48#150	18	GY	2036586C1																																										
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L48#217	18	GY	2036586C1																																										
B	L48#218	18	GY	2036586C1																																										
OUTPUT SPEED SENSOR (7605)  CONNECTOR - 2036583C1 <table border="1" style="margin: auto; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>L47#139</td><td>18</td><td>GY</td><td>2036586C1</td></tr> <tr><td>B</td><td>L47#148</td><td>18</td><td>GY</td><td>2036586C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L47#139	18	GY	2036586C1	B	L47#148	18	GY	2036586C1	TRANSMISSION SPEEDO CONNECTION (7606)  CONNECTOR - 2036583C1 <table border="1" style="margin: auto; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>L47P</td><td>16</td><td>GY</td><td>2036586C1</td></tr> <tr><td>B</td><td>L47N</td><td>16</td><td>GY</td><td>2036586C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L47P	16	GY	2036586C1	B	L47N	16	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L47#139	18	GY	2036586C1																																										
B	L47#148	18	GY	2036586C1																																										
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L47P	16	GY	2036586C1																																										
B	L47N	16	GY	2036586C1																																										
TRANSMISSION SPEEDO CONNECTION (7607)  CONNECTOR - 2036583C1 <table border="1" style="margin: auto; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>L92#213</td><td>18</td><td>TN</td><td>2036586C1</td></tr> <tr><td>B</td><td>L92#214</td><td>18</td><td>TN</td><td>2036586C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L92#213	18	TN	2036586C1	B	L92#214	18	TN	2036586C1	TRANSFER CASE SPEEDO CONNECTION (7608)  CONNECTOR - 2036583C1 <table border="1" style="margin: auto; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>L47N</td><td>16</td><td>GY</td><td>2036586C1</td></tr> <tr><td>B</td><td>L47P</td><td>16</td><td>GY</td><td>2036586C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L47N	16	GY	2036586C1	B	L47P	16	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L92#213	18	TN	2036586C1																																										
B	L92#214	18	TN	2036586C1																																										
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L47N	16	GY	2036586C1																																										
B	L47P	16	GY	2036586C1																																										
SPEED SENSOR (7609)  CONNECTOR - 2036583C1 <table border="1" style="margin: auto; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>L47</td><td>18</td><td>GY</td><td>2036586C1</td></tr> <tr><td>B</td><td>L47A</td><td>18</td><td>GY</td><td>2036586C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L47	18	GY	2036586C1	B	L47A	18	GY	2036586C1	TRANSFER CASE TO TRANSMISSION (7610) (USED ONLY WHEN TRANSFER CASE AND ALLISON WTEC ARE PRESENT)  CONNECTOR - 1667740C1 PLUG - 2025431C1 LOCK - 1667771C1 <table border="1" style="margin: auto; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>L92DJ</td><td>16</td><td>TN</td><td>1667742C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	PLUG	-	-	-	-	B	PLUG	-	-	-	-	C	L92DJ	16	TN	1667742C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L47	18	GY	2036586C1																																										
B	L47A	18	GY	2036586C1																																										
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																									
A	PLUG	-	-	-	-																																									
B	PLUG	-	-	-	-																																									
C	L92DJ	16	TN	1667742C1	1661872C1																																									
TRANSFER CASE SPEEDO CONNECTION (7611)  CONNECTOR - 2036583C1 <table border="1" style="margin: auto; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>L47L</td><td>16</td><td>GY</td><td>2036586C1</td></tr> <tr><td>B</td><td>L47M</td><td>16</td><td>GY</td><td>2036586C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L47L	16	GY	2036586C1	B	L47M	16	GY	2036586C1	TRANSMISSION OIL TEMP SENSOR (7700)  CONNECTOR - 3536864C1 <table border="1" style="margin: auto; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>1</td><td>L31B</td><td>18</td><td>TN</td><td>3536866C1</td><td>3536866C1</td></tr> <tr><td>2</td><td>L31GC1</td><td>18</td><td>TN</td><td>3536866C1</td><td>3536866C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	L31B	18	TN	3536866C1	3536866C1	2	L31GC1	18	TN	3536866C1	3536866C1						
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L47L	16	GY	2036586C1																																										
B	L47M	16	GY	2036586C1																																										
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																									
1	L31B	18	TN	3536866C1	3536866C1																																									
2	L31GC1	18	TN	3536866C1	3536866C1																																									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																								
PEC	25 JAN01	ADDED 7800-7803.	B	P54634F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																								
PEC	15 JAN02	ADDED 7603-7700.	C	55043Z	P52778H	DATE	PART NO.																																							
						31MAY00	AE08-52376																																							
							SHEET 46																																							

Figure 158 Connector Composites (7603), (7604), (7605), (7606), (7607), (7608), (7609), (7610), (7611), (7700)

12.47. CONNECTOR COMPOSITES (7800), (7801), (7803), (7900), (7901), P. 47







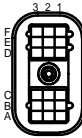

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAMS CHAPTER 12																																																																																																																																																																																																															
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																															
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>ENG/TRANS CONNECTOR (7800)</p> </div> <div style="text-align: center;">  <p>CONNECTOR - 1667741C1 PLUG - 2025431C1 LOCK - 1667771C1</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 48%;"> <p align="center"><small>W/6 ENGINES</small></p> <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>K47</td><td>18</td><td>GY</td><td>1667742C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>K47A</td><td>18</td><td>GY</td><td>1667742C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>K17E</td><td>18</td><td>VT</td><td>1667742C1</td><td>1661872C1</td></tr> </table> <p align="center"><small>W/V8 ENGINES</small></p> <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>K47</td><td>18</td><td>GY</td><td>1667742C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>K47A</td><td>18</td><td>GY</td><td>1667742C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>K97AD</td><td>18</td><td>VT</td><td>1667742C1</td><td>1661872C1</td></tr> </table> <div style="text-align: center; margin-top: 10px;">  <p>CONNECTOR - 3522251C1 LOCK - 3522253C1C1</p> </div> <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>K47</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>K47A</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>CAV</td><td>K97AD</td><td>18</td><td>VT</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>D</td><td>K5U</td><td>18</td><td>YL</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>E</td><td>K5AE</td><td>18</td><td>GN</td><td>1661875C1</td><td>1661872C1</td></tr> </table> </div> <div style="width: 48%;"> <p align="center"><small>W/EATON AUTOSHIFT</small></p> <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>L47</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>L47A</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>L17C</td><td>18</td><td>PK</td><td>1661875C1</td><td>1661872C1</td></tr> </table> <p align="center"><small>W/ALLISON WTEC (W/ & NOT W/RETARDER)</small></p> <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>L47A157</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>L17A</td><td>18</td><td>PK</td><td>1661875C1</td><td>1661872C1</td></tr> </table> <p align="center"><small>W/ALLISON WTEC W/AUTO NEUTRAL</small></p> <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>L47A157</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>L17B</td><td>18</td><td>PK</td><td>1661875C1</td><td>1661872C1</td></tr> </table> <p align="center"><small>W/ALLISON LCT</small></p> <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>L47B126</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>L17E</td><td>18</td><td>PK</td><td>1661875C1</td><td>1661872C1</td></tr> </table> <p align="center"><small>W/MANUAL TRANS</small></p> <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>L47D</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>L47E</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>L17D</td><td>18</td><td>PK</td><td>1661875C1</td><td>1661872C1</td></tr> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K47	18	GY	1667742C1	1661872C1	B	K47A	18	GY	1667742C1	1661872C1	C	K17E	18	VT	1667742C1	1661872C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K47	18	GY	1667742C1	1661872C1	B	K47A	18	GY	1667742C1	1661872C1	C	K97AD	18	VT	1667742C1	1661872C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K47	16	GY	1661875C1	1661872C1	B	K47A	16	GY	1661875C1	1661872C1	CAV	K97AD	18	VT	1661875C1	1661872C1	D	K5U	18	YL	1661875C1	1661872C1	E	K5AE	18	GN	1661875C1	1661872C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L47	18	GY	1661875C1	1661872C1	B	L47A	18	GY	1661875C1	1661872C1	C	L17C	18	PK	1661875C1	1661872C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L47A157	18	GY	1661875C1	1661872C1	B	PLUG	-	-	-	-	C	L17A	18	PK	1661875C1	1661872C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L47A157	18	GY	1661875C1	1661872C1	B	PLUG	-	-	-	-	C	L17B	18	PK	1661875C1	1661872C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L47B126	18	GY	1661875C1	1661872C1	B	PLUG	-	-	-	-	C	L17E	18	PK	1661875C1	1661872C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L47D	18	GY	1661875C1	1661872C1	B	L47E	18	GY	1661875C1	1661872C1	C	L17D	18	PK	1661875C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																														
A	K47	18	GY	1667742C1	1661872C1																																																																																																																																																																																																														
B	K47A	18	GY	1667742C1	1661872C1																																																																																																																																																																																																														
C	K17E	18	VT	1667742C1	1661872C1																																																																																																																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																														
A	K47	18	GY	1667742C1	1661872C1																																																																																																																																																																																																														
B	K47A	18	GY	1667742C1	1661872C1																																																																																																																																																																																																														
C	K97AD	18	VT	1667742C1	1661872C1																																																																																																																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																														
A	K47	16	GY	1661875C1	1661872C1																																																																																																																																																																																																														
B	K47A	16	GY	1661875C1	1661872C1																																																																																																																																																																																																														
CAV	K97AD	18	VT	1661875C1	1661872C1																																																																																																																																																																																																														
D	K5U	18	YL	1661875C1	1661872C1																																																																																																																																																																																																														
E	K5AE	18	GN	1661875C1	1661872C1																																																																																																																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																														
A	L47	18	GY	1661875C1	1661872C1																																																																																																																																																																																																														
B	L47A	18	GY	1661875C1	1661872C1																																																																																																																																																																																																														
C	L17C	18	PK	1661875C1	1661872C1																																																																																																																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																														
A	L47A157	18	GY	1661875C1	1661872C1																																																																																																																																																																																																														
B	PLUG	-	-	-	-																																																																																																																																																																																																														
C	L17A	18	PK	1661875C1	1661872C1																																																																																																																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																														
A	L47A157	18	GY	1661875C1	1661872C1																																																																																																																																																																																																														
B	PLUG	-	-	-	-																																																																																																																																																																																																														
C	L17B	18	PK	1661875C1	1661872C1																																																																																																																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																														
A	L47B126	18	GY	1661875C1	1661872C1																																																																																																																																																																																																														
B	PLUG	-	-	-	-																																																																																																																																																																																																														
C	L17E	18	PK	1661875C1	1661872C1																																																																																																																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																														
A	L47D	18	GY	1661875C1	1661872C1																																																																																																																																																																																																														
B	L47E	18	GY	1661875C1	1661872C1																																																																																																																																																																																																														
C	L17D	18	PK	1661875C1	1661872C1																																																																																																																																																																																																														
<p>J1939 SPLICE(7801)</p> <div style="display: flex; align-items: center;">  <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>1</td><td>L5A(-)1</td><td>20</td><td>YL</td><td>3537131C1</td><td>N/A</td></tr> <tr><td>2</td><td>L5A(S)1</td><td>20</td><td>NONE</td><td>3537131C1</td><td>N/A</td></tr> <tr><td>3</td><td>L5A(-)1</td><td>20</td><td>GN</td><td>3537131C1</td><td>N/A</td></tr> </table> </div> <p align="center"><small>W/ALLISON LCT</small></p> <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>1</td><td>L5B183</td><td>20</td><td>YL</td><td>3537131C1</td><td>N/A</td></tr> <tr><td>2</td><td>L5B182</td><td>20</td><td>NONE</td><td>3537131C1</td><td>N/A</td></tr> <tr><td>3</td><td>L5B184</td><td>20</td><td>GN</td><td>3537131C1</td><td>N/A</td></tr> </table> <p align="center"><small>W/ALLISON WTEC</small></p> <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>1</td><td>L5B183</td><td>20</td><td>YL</td><td>3537131C1</td><td>N/A</td></tr> <tr><td>2</td><td>L5B182</td><td>20</td><td>NONE</td><td>3537131C1</td><td>N/A</td></tr> <tr><td>3</td><td>L5B184</td><td>20</td><td>GN</td><td>3537131C1</td><td>N/A</td></tr> </table> <div style="text-align: center; margin-top: 10px;">  <p>CONNECTOR - 1667741C1 PLUG - 2025431C1 LOCK - 1667771C1</p> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	L5A(-)1	20	YL	3537131C1	N/A	2	L5A(S)1	20	NONE	3537131C1	N/A	3	L5A(-)1	20	GN	3537131C1	N/A	CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	L5B183	20	YL	3537131C1	N/A	2	L5B182	20	NONE	3537131C1	N/A	3	L5B184	20	GN	3537131C1	N/A	CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	L5B183	20	YL	3537131C1	N/A	2	L5B182	20	NONE	3537131C1	N/A	3	L5B184	20	GN	3537131C1	N/A	<p>ENG TO TRANSFER CASE HARNESS CONN (7803)</p> <p align="center"><small>(USED ONLY WHEN TRANSFER CASE AND ALLISON WTEC ARE PRESENT) MATING CONNECTOR IS MALE SIDE OF CONNECTOR 7800.</small></p> <div style="display: flex; align-items: center;">  <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>L47L</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>L47M</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>L92DJ</td><td>16</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L47L	16	GY	1661875C1	1661872C1	B	L47M	16	GY	1661875C1	1661872C1	C	L92DJ	16	TN	1661875C1	1661872C1																																																																																																												
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																														
1	L5A(-)1	20	YL	3537131C1	N/A																																																																																																																																																																																																														
2	L5A(S)1	20	NONE	3537131C1	N/A																																																																																																																																																																																																														
3	L5A(-)1	20	GN	3537131C1	N/A																																																																																																																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																														
1	L5B183	20	YL	3537131C1	N/A																																																																																																																																																																																																														
2	L5B182	20	NONE	3537131C1	N/A																																																																																																																																																																																																														
3	L5B184	20	GN	3537131C1	N/A																																																																																																																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																														
1	L5B183	20	YL	3537131C1	N/A																																																																																																																																																																																																														
2	L5B182	20	NONE	3537131C1	N/A																																																																																																																																																																																																														
3	L5B184	20	GN	3537131C1	N/A																																																																																																																																																																																																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																																																																																														
A	L47L	16	GY	1661875C1	1661872C1																																																																																																																																																																																																														
B	L47M	16	GY	1661875C1	1661872C1																																																																																																																																																																																																														
C	L92DJ	16	TN	1661875C1	1661872C1																																																																																																																																																																																																														
<p>EATON AUTOSHIFT ECM (7900)</p> <div style="display: flex; align-items: center;">  <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A1</td><td>L92AC</td><td>16</td><td>TN</td><td>1651943C1</td></tr> <tr><td>A2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>A3</td><td>L92AE</td><td>16</td><td>TN</td><td>1651943C1</td></tr> <tr><td>B1</td><td>L92AD</td><td>16</td><td>TN</td><td>1651943C1</td></tr> <tr><td>B2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B3</td><td>L92AB</td><td>16</td><td>TN</td><td>1651943C1</td></tr> <tr><td>C1</td><td>L5AX(+)</td><td>20</td><td>YL</td><td>1651943C1</td></tr> <tr><td>C2</td><td>L5AX(-)</td><td>20</td><td>GN</td><td>1651943C1</td></tr> <tr><td>C3</td><td>L5AX(S)</td><td>20</td><td>NONE</td><td>1651943C1</td></tr> <tr><td>D1</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>D2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>D3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>E1</td><td>L92Z</td><td>16</td><td>TN</td><td>1651943C1</td></tr> <tr><td>E2</td><td>L92AA</td><td>16</td><td>TN</td><td>1651943C1</td></tr> <tr><td>E3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F1</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> </table> </div> <p align="center"><small>CONNECTOR - 2010376C1 PLUG - 1667788C1</small></p>				CAV	CIR	GAUGE	COLOR	TERM	A1	L92AC	16	TN	1651943C1	A2	PLUG	-	-	-	A3	L92AE	16	TN	1651943C1	B1	L92AD	16	TN	1651943C1	B2	PLUG	-	-	-	B3	L92AB	16	TN	1651943C1	C1	L5AX(+)	20	YL	1651943C1	C2	L5AX(-)	20	GN	1651943C1	C3	L5AX(S)	20	NONE	1651943C1	D1	PLUG	-	-	-	D2	PLUG	-	-	-	D3	PLUG	-	-	-	E1	L92Z	16	TN	1651943C1	E2	L92AA	16	TN	1651943C1	E3	PLUG	-	-	-	F1	PLUG	-	-	-	F2	PLUG	-	-	-	F3	PLUG	-	-	-	<p>EATON AUTOSHIFT ECM POWER (7901)</p> <div style="display: flex; align-items: center;">  <table border="1" style="width:100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>L11-GAM</td><td>12</td><td>WH</td><td>1661708C1</td></tr> <tr><td>B</td><td>L14AW</td><td>12</td><td>RD</td><td>1661708C1</td></tr> </table> </div> <p align="center"><small>CONNECTOR - 3552915C1 PLUG - 1675451C1</small></p>				CAV	CIR	GAUGE	COLOR	TERM	A	L11-GAM	12	WH	1661708C1	B	L14AW	12	RD	1661708C1																																																																																														
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																															
A1	L92AC	16	TN	1651943C1																																																																																																																																																																																																															
A2	PLUG	-	-	-																																																																																																																																																																																																															
A3	L92AE	16	TN	1651943C1																																																																																																																																																																																																															
B1	L92AD	16	TN	1651943C1																																																																																																																																																																																																															
B2	PLUG	-	-	-																																																																																																																																																																																																															
B3	L92AB	16	TN	1651943C1																																																																																																																																																																																																															
C1	L5AX(+)	20	YL	1651943C1																																																																																																																																																																																																															
C2	L5AX(-)	20	GN	1651943C1																																																																																																																																																																																																															
C3	L5AX(S)	20	NONE	1651943C1																																																																																																																																																																																																															
D1	PLUG	-	-	-																																																																																																																																																																																																															
D2	PLUG	-	-	-																																																																																																																																																																																																															
D3	PLUG	-	-	-																																																																																																																																																																																																															
E1	L92Z	16	TN	1651943C1																																																																																																																																																																																																															
E2	L92AA	16	TN	1651943C1																																																																																																																																																																																																															
E3	PLUG	-	-	-																																																																																																																																																																																																															
F1	PLUG	-	-	-																																																																																																																																																																																																															
F2	PLUG	-	-	-																																																																																																																																																																																																															
F3	PLUG	-	-	-																																																																																																																																																																																																															
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																																																																															
A	L11-GAM	12	WH	1661708C1																																																																																																																																																																																																															
B	L14AW	12	RD	1661708C1																																																																																																																																																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> <th></th> </tr> <tr> <td>PEC</td> <td>28JUN01</td> <td>ADDED 7900-7906.</td> <td>B</td> <td>P54634F</td> <td>U00EDL2</td> <td>42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS</td> <td></td> </tr> <tr> <td>PEC</td> <td>15JAN02</td> <td>ADDED 7800-7803.</td> <td>C</td> <td>55043Z</td> <td>P52778H</td> <td>DATE 28JUN00</td> <td>PART NO. AE08-52376 SHEET 47</td> </tr> </table>								CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		PEC	28JUN01	ADDED 7900-7906.	B	P54634F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		PEC	15JAN02	ADDED 7800-7803.	C	55043Z	P52778H	DATE 28JUN00	PART NO. AE08-52376 SHEET 47																																																																																																																																																																																				
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																																																																																																													
PEC	28JUN01	ADDED 7900-7906.	B	P54634F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																																																																																																																													
PEC	15JAN02	ADDED 7800-7803.	C	55043Z	P52778H	DATE 28JUN00	PART NO. AE08-52376 SHEET 47																																																																																																																																																																																																												

Figure 159 Connector Composites (7800), (7801), (7803), (7900), (7901)

12.48. CONNECTOR COMPOSITES (7905), (7906), (8000), (8001), (8102), (8150), (8151), (8200), P. 48

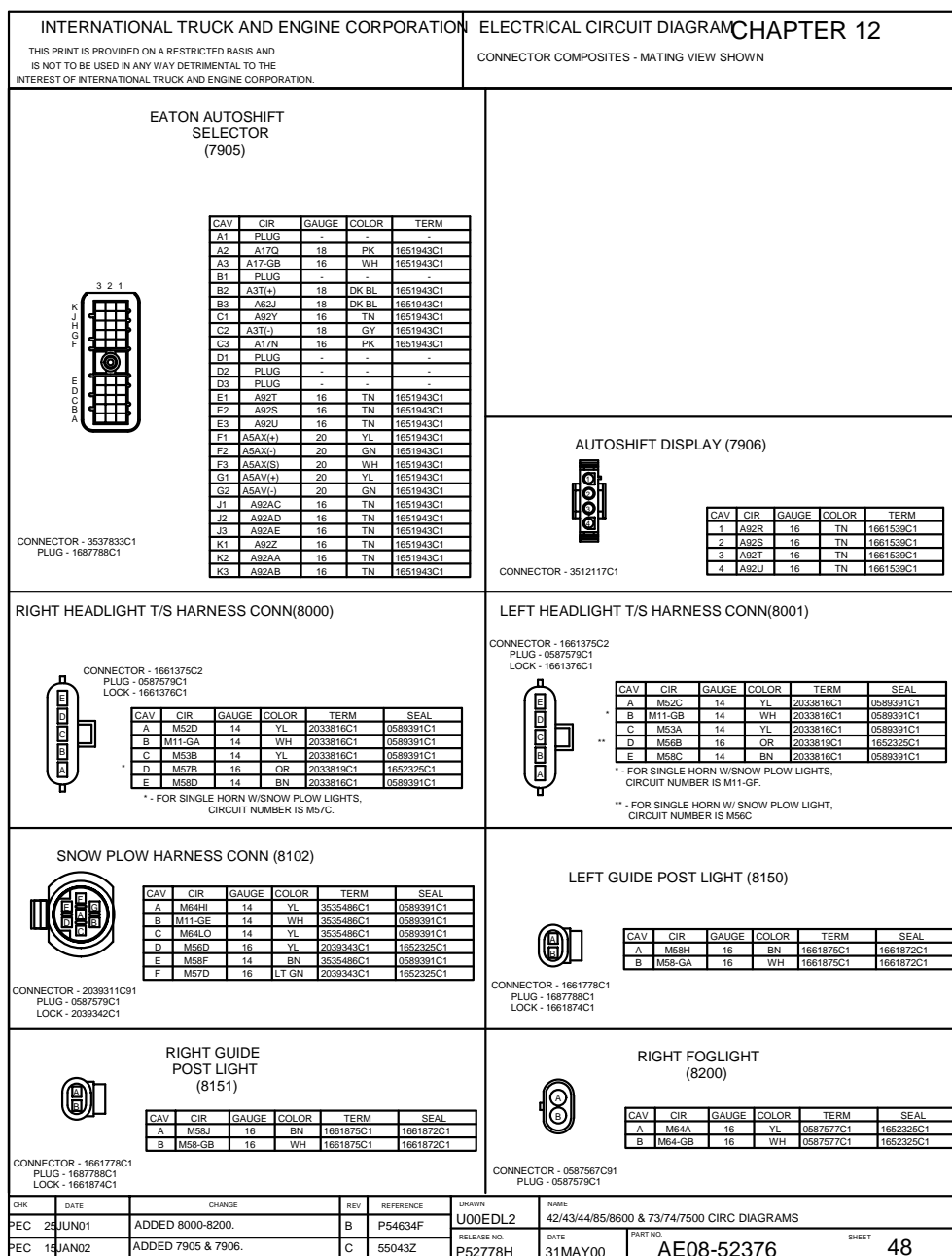












Figure 160 Connector Composites (7905), (7906), (8000), (8001), (8102), (8150), (8151), (8200)

12.49. CONNECTOR COMPOSITES (8201), (8301), (8310), (8311), (8312), (8400), (8500), (8501), (8502), (8502A), P. 49

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																									
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																									
LEFT FOGLIGHT (8201)  <div style="text-align: right; font-size: x-small;">CONNECTOR - 0587567C91 PLUG - 0587579C1</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>M64B</td><td>16</td><td>YL</td><td>0587577C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>M64-GA</td><td>16</td><td>WH</td><td>0587577C1</td><td>1652325C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M64B	16	YL	0587577C1	1652325C1	B	M64-GA	16	WH	0587577C1	1652325C1	ELECTRIC HORN (8301)  <div style="text-align: right; font-size: x-small;">CONNECTOR - 1661778C1 PLUG - 1667788C1 LOCK - 1661874C1</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>M85E</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>M85-GA</td><td>16</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85E	16	GY	1661875C1	1661872C1	B	M85-GA	16	WH	1661875C1	1661872C1																		
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																								
A	M64B	16	YL	0587577C1	1652325C1																																																								
B	M64-GA	16	WH	0587577C1	1652325C1																																																								
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																								
A	M85E	16	GY	1661875C1	1661872C1																																																								
B	M85-GA	16	WH	1661875C1	1661872C1																																																								
DUAL ELECTRIC HORNS (8310)  <div style="text-align: right; font-size: x-small;">CONNECTOR - 3543888C1 PLUG - 2025431C1 LOCK - 1661874C1</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>M85J</td><td>16</td><td>GY</td><td>1667742C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>M85-GC</td><td>16</td><td>WH</td><td>1667742C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85J	16	GY	1667742C1	1661872C1	B	M85-GC	16	WH	1667742C1	1661872C1	ELECTRIC HORN #1 (8311)  <div style="text-align: right; font-size: x-small;">CONNECTOR - 1661778C1 PLUG - 1667788C1 LOCK - 1661874C1</div> <div style="text-align: center; font-size: x-small;">W/SINGLE HORN</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>M85J</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>M85-GC</td><td>16</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> </table> <div style="text-align: center; font-size: x-small;">W/DUAL HORNS</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>M85K</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>M85-GD</td><td>16</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85J	16	GY	1661875C1	1661872C1	B	M85-GC	16	WH	1661875C1	1661872C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85K	16	GY	1661875C1	1661872C1	B	M85-GD	16	WH	1661875C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																								
A	M85J	16	GY	1667742C1	1661872C1																																																								
B	M85-GC	16	WH	1667742C1	1661872C1																																																								
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																								
A	M85J	16	GY	1661875C1	1661872C1																																																								
B	M85-GC	16	WH	1661875C1	1661872C1																																																								
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																								
A	M85K	16	GY	1661875C1	1661872C1																																																								
B	M85-GD	16	WH	1661875C1	1661872C1																																																								
ELECTRIC HORN #2 (8312)  <div style="text-align: right; font-size: x-small;">CONNECTOR - 1661778C1 PLUG - 1667788C1 LOCK - 1661874C1</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>M85L</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>M85-GE</td><td>16</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85L	16	GY	1661875C1	1661872C1	B	M85-GE	16	WH	1661875C1	1661872C1	ETHER START (8400)  <div style="text-align: right; font-size: x-small;">CONNECTOR - 0587568C91 PLUG - 0587579C1</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>M21D</td><td>18</td><td>TN</td><td>0587576C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>M21C</td><td>18</td><td>TN</td><td>0587576C1</td><td>1652325C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M21D	18	TN	0587576C1	1652325C1	B	M21C	18	TN	0587576C1	1652325C1																		
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																								
A	M85L	16	GY	1661875C1	1661872C1																																																								
B	M85-GE	16	WH	1661875C1	1661872C1																																																								
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																								
A	M21D	18	TN	0587576C1	1652325C1																																																								
B	M21C	18	TN	0587576C1	1652325C1																																																								
BENDIX LEFT ABS MODULATOR (8500)  <div style="text-align: right; font-size: x-small;">CONNECTOR - 1686834C1 PLUG - 0587579C1 LOCK - 1664408C1</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>M94</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>M94A</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>M94B</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M94	18	GY	2033819C1	1652325C1	B	M94A	18	GY	2033819C1	1652325C1	C	M94B	18	GY	2033819C1	1652325C1	BENDIX RIGHT ABS MODULATOR (8501)  <div style="text-align: right; font-size: x-small;">CONNECTOR - 1686834C1 PLUG - 0587579C1 LOCK - 1664408C1</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>M94H</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>M94J</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>M94K</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M94H	18	GY	2033819C1	1652325C1	B	M94J	18	GY	2033819C1	1652325C1	C	M94K	18	GY	2033819C1	1652325C1						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																								
A	M94	18	GY	2033819C1	1652325C1																																																								
B	M94A	18	GY	2033819C1	1652325C1																																																								
C	M94B	18	GY	2033819C1	1652325C1																																																								
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																								
A	M94H	18	GY	2033819C1	1652325C1																																																								
B	M94J	18	GY	2033819C1	1652325C1																																																								
C	M94K	18	GY	2033819C1	1652325C1																																																								
LEFT HYD ABS WHEEL SENSOR (8502)  <div style="text-align: right; font-size: x-small;">PURCHASED ASSEMBLY P/N 3519878C1</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>1</td><td>M94L</td><td>18</td><td>BK</td><td>ASSY</td></tr> <tr><td>2</td><td>M94M</td><td>18</td><td>BN</td><td>ASSY</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	M94L	18	BK	ASSY	2	M94M	18	BN	ASSY	BENDIX LEFT AIR ABS WHEEL SENSOR (8502A)  <div style="text-align: right; font-size: x-small;">CONNECTOR - 1684261C1 PLUG - 0453133C1 LOCK - 1684263C1</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>1</td><td>M94C</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>2</td><td>M94D</td><td>18</td><td>GY</td><td>1680205C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	M94C	18	GY	1680205C1	2	M94D	18	GY	1680205C1																								
CAV	CIR	GAUGE	COLOR	TERM																																																									
1	M94L	18	BK	ASSY																																																									
2	M94M	18	BN	ASSY																																																									
CAV	CIR	GAUGE	COLOR	TERM																																																									
1	M94C	18	GY	1680205C1																																																									
2	M94D	18	GY	1680205C1																																																									

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	DATE	PART NO.	SHEET
PEC	13JAN01	PRODUCTION RELEASE.	A	P54304U	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS			
PEC	25JUN01	ADDED 8201-8502A.	B	P54634F	P52778H		31MAY00	AE08-52376	49

Figure 161 Connector Composites (8201), (8301), (8310), (8311), (8312), (8400), (8500), (8501), (8502), (8502A)

12.50. CONNECTOR COMPOSITES (8503), (8503A), (8505), (8506), (8507), (8508), (8509), (8600), (8601), (8602), P. 50


INTERNATIONAL TRUCK AND ENGINE CORPORATION

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

CONNECTOR COMPOSITES - MATING VIEW SHOWN

CHAPTER 12


RIGHT HYD ABS WHEEL SENSOR (8503)



PURCHASED ASSEMBLY P/N 3519878C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94N	18	BK	ASSY
2	M94P	18	BN	ASSY


BENDIX RIGHT AIR ABS WHEEL SENSOR (8503A)



CONNECTOR - 1684261C1
PLUG - 0453133C1
LOCK - 1684263C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94E	18	GY	1680205C1
2	M94F	18	GY	1680205C1


AIR COMPRESSOR FOR HYD BRAKES (8505)



CONNECTOR - 1678137C1

CAV	CIR	GAUGE	COLOR	TERM
A	M9	18	GY	1651943C1
B	M6	18	GY	1651943C1
C	M40	18	GY	1651943C1


WABCO LEFT FRONT AIR ABS WHEEL SPEED SENSOR (8506)



PURCHASED ASSEMBLY P/N 3519878C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94AC	18	BN	ASSY
2	M94AD	18	BK	ASSY

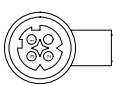
WABCO RIGHT FRONT AIR ABS WHEEL SPEED SENSOR (8507)



PURCHASED ASSEMBLY P/N 3519666C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94AE	18	BN	ASSY
2	M94AF	18	BK	ASSY

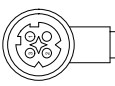
WABCO LEFT FRONT AIR ABS MODULATOR (8508)



PURCHASED ASSEMBLY P/N 3554539C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94AL	14	BL	ASSY
2	M94AA	14	GN	ASSY
3	M94AB	14	BN	ASSY


WABCO RIGHT FRONT AIR ABS MODULATOR (8509)



PURCHASED ASSEMBLY P/N 3554539C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94AH	14	BL	ASSY
2	M94AJ	14	GN	ASSY
3	M94AK	14	BN	ASSY


RADIATOR GROUND (8600)



CONNECTOR - 0587566C91
PLUG - 0587579C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M11-GC	12	WH	1673747C1	0589390C1


TEMP SENDER (8601)



CONNECTOR - 3522068C1
PLUG - 1687788C1
LOCK - 1661874C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M41	18	GY	1661875C1	1661872C1
B	M41A	18	GY	1661875C1	1661872C1

A/C TRANSDUCER (8602)



CONNECTOR - 1678137C1

CAV	CIR	GAUGE	COLOR	TERM
A	M9	20	GY	1651943C1
B	M6	20	GY	1651943C1
C	M77	20	LT GN	1651943C1

CHK

DATE

CHANGE

REV

REFERENCE

DRAWN

NAME

RELEASE NO.

DATE

PART NO.

SHEET

PEC

19JAN01

PRODUCTION RELEASE.

A

P54304U

U00EDL2

42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS

PEC

25JUN01

ADDED 8503-8602.

B

P54634F

P52778H



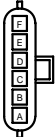
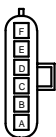
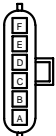
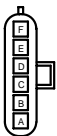
31MAY00

AE08-52376

50

Figure 162 Connector Composites (8503), (8503A), (8505), (8506), (8507), (8508), (8509), (8600), (8601), (8602)








12.51. CONNECTOR COMPOSITES (8700), (8701), (8800), (8801), (8802), (8803), P. 51

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN			
LEFT HEATED MIRROR FWD HOOD MTD (8700)				RIGHT HEATED MIRROR FWD HOOD MTD (8701)			
							
CONNECTOR - 1671610C1 PLUG - 0587579C1 LOCK - 1671608C1				CONNECTOR - 1671610C1 PLUG - 0587579C1 LOCK - 1671608C1			
CAV	CIR	GAUGE	COLOR	TERM	SEAL	CAV	CIR
A	M78J	16	LT GN	2033819C1	1652325C1	A	M78K
B	M78-G	18	WH	2033819C1	1652325C1	B	M78-GA
GROUND ADAPTER #1 (8800)				GROUND ADAPTER #2 (8801)			
							
CONNECTOR - 3551896C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1				CONNECTOR - 3551896C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1			
CAV	CIR	GAUGE	COLOR	TERM	SEAL	CAV	CIR
A	M11-G	12	WH	2033816C1	0589390C1	A	M11-GD
B	M11-GB	14	WH	2033816C1	0589391C1	B	M11-GA
C	M58-GA	16	WH	2033819C1	1652325C1	C	M58-GB
D	M11-GC	12	WH	2033816C1	0589390C1	D	M85-GA
E	M78-G	18	WH	2033819C1	1652325C1	E	M78-GA
F	M11-GD	12	WH	2033816C1	0589390C1	F	M64-G
ISOLATED GND SPLICE PACK (8802)				CHASSIS GND SPLICE PACK (8803)			
							
CONNECTOR - 3551896C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1				CONNECTOR - 3551896C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1			
CAV	CIR	GAUGE	COLOR	TERM	SEAL	CAV	CIR
A	N9	18	GY	2033819C1	1652325C1	A	N10-G
B	N9A	18	GY	2033819C1	1652325C1	B	N10-GA
C	N9B	18	GY	2033819C1	1652325C1	C	N39-G
D	N44-GB	18	WH	2033819C1	1652325C1	D	N39-GB
E	N9F	18	GY	2033819C1	1652325C1	E	N49-G
F	N9F	18	GY	2033819C1	1652325C1	F	N10-GF
* - FOR AF MTD FUEL TANK, CIRCUIT NUMBER IS N9G.				* - FOR RIGHT SIDE MTD DRAIN VALVE, CIRCUIT NUMBER IS N39-GA.			
** - FOR RR AXLE TEMP, CIRCUIT NUMBER IS N9H.				** - FOR RIGHT SIDE MTD AIR DRYER, CIRCUIT NUMBER IS N39-GC.			

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	25JUN01	ADDED 8700-8803.	B	P54634F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
PEC	15JAN02	ADDED N44-GB TO 8802	C	55043Z	P52778H	DATE 31MAY00 PART NO. AE08-52376 SHEET 51

Figure 163 Connector Composites (8700), (8701), (8800), (8801), (8802), (8803)

12.52. CONNECTOR COMPOSITES (9001), (9002), (9100), (9101), (9102), (9254), (9255), P. 52

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																						
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																						
LEFT SIDE HEATED DRAIN (9001)  CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1				RIGHT SIDE HEATED DRAIN (9002)  CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1																																																						
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N39</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N39-G</td> <td>18</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N39	18	GY	1661875C1	1661872C1	B	N39-G	18	WH	1661875C1	1661872C1	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N39A</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N39-GA</td> <td>18</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N39A	18	GY	1661875C1	1661872C1	B	N39-GA	18	WH	1661875C1	1661872C1															
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																					
A	N39	18	GY	1661875C1	1661872C1																																																					
B	N39-G	18	WH	1661875C1	1661872C1																																																					
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																					
A	N39A	18	GY	1661875C1	1661872C1																																																					
B	N39-GA	18	WH	1661875C1	1661872C1																																																					
LEFT FUEL SENDER (9100)  CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1				RIGHT FUEL SENDER (9101)  CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1																																																						
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N36</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N9A</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> <p style="font-size: 8px; margin-top: 5px;">* - FOR DUAL MTD FUEL TANKS, CIRCUIT NUMBER IS N36C.</p> <p style="font-size: 8px; margin-top: 5px;">** - FOR AF MTD FUEL TANK, CIRCUIT NUMBER IS N9D.</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N36	18	TN	1661875C1	1661872C1	B	N9A	18	GY	1661875C1	1661872C1	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N36A</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N9B</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> <p style="font-size: 8px; margin-top: 5px;">* - FOR DUAL MTD FUEL TANKS, CIRCUIT NUMBER IS N36C.</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N36A	18	TN	1661875C1	1661872C1	B	N9B	18	GY	1661875C1	1661872C1															
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																					
A	N36	18	TN	1661875C1	1661872C1																																																					
B	N9A	18	GY	1661875C1	1661872C1																																																					
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																					
A	N36A	18	TN	1661875C1	1661872C1																																																					
B	N9B	18	GY	1661875C1	1661872C1																																																					
FUEL TRANSFER PUMP (9102)  CONNECTOR - 3522251C1 PLUG - 2025431C1 LOCK - 3522253C1				ENG ECM FEED FUSE CONN (9254)  CONNECTOR - 1667639C1 PLUG - 1675451C1																																																						
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N36D</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N36F</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>C</td> <td>N9F</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>D</td> <td>N10-GF</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>E</td> <td>N37</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N36D	18	TN	1661875C1	1661872C1	B	N36F	18	TN	1661875C1	1661872C1	C	N9F	18	GY	1661875C1	1661872C1	D	N10-GF	16	WH	1661875C1	1661872C1	E	N37	18	TN	1661875C1	1661872C1	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N14AY</td> <td>10</td> <td>RD</td> <td>1661708C1</td> </tr> <tr> <td>B</td> <td>N14BA</td> <td>10</td> <td>RD</td> <td>1661708C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	N14AY	10	RD	1661708C1	B	N14BA	10	RD	1661708C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																					
A	N36D	18	TN	1661875C1	1661872C1																																																					
B	N36F	18	TN	1661875C1	1661872C1																																																					
C	N9F	18	GY	1661875C1	1661872C1																																																					
D	N10-GF	16	WH	1661875C1	1661872C1																																																					
E	N37	18	TN	1661875C1	1661872C1																																																					
CAV	CIR	GAUGE	COLOR	TERM																																																						
A	N14AY	10	RD	1661708C1																																																						
B	N14BA	10	RD	1661708C1																																																						
TRANS ECU FEED FUSE CONN (9255)  CONNECTOR - 1667639C1 PLUG - 1675451C1				THIS SPACE INTENTIONALLY LEFT BLANK																																																						
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N14AZ</td> <td>10</td> <td>RD</td> <td>1661708C1</td> </tr> <tr> <td>B</td> <td>N14BB</td> <td>10</td> <td>RD</td> <td>1661708C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	N14AZ	10	RD	1661708C1	B	N14BB	10	RD	1661708C1																																								
CAV	CIR	GAUGE	COLOR	TERM																																																						
A	N14AZ	10	RD	1661708C1																																																						
B	N14BB	10	RD	1661708C1																																																						

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	DATE	PART NO.	SHEET
PEC	19JAN01	PRODUCITON RELEASE.	A	P54304U	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS			
PEC	25JUN01	ADDED 9001-9255.	B	P54634F	P52778H		28JUN00	AE08-52376	52

Figure 164 Connector Composites (9001), (9002), (9100), (9101), (9102), (9254), (9255)

12.53. CONNECTOR COMPOSITES (9260), (9261), (9262), (9263), (9264), (9265), (9303A), P. 53












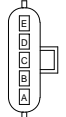
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																			
<p>BATT ECM NEGATIVE CONN (9260)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>CONNECTOR - 2031522C1 PLUG - 2025432C1 LOCK - 2033927C1</p> <table border="1" style="font-size: x-small; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>N97-G</td><td>10</td><td>WH</td><td>2031531C1</td><td>2025426C1</td></tr> <tr><td>B</td><td>N92-G</td><td>10</td><td>WH</td><td>2031531C1</td><td>2025426C1</td></tr> </table> </div> <div style="text-align: center;">  <p>CONNECTOR - 2031520C1 PLUG - 2025432C1 LOCK - 2033927C1</p> <table border="1" style="font-size: x-small; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>N14-G</td><td>10</td><td>WH</td><td>2025423C1</td><td>2025426C1</td></tr> <tr><td>B</td><td>N14-GA</td><td>10</td><td>WH</td><td>2025423C1</td><td>2025426C1</td></tr> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N97-G	10	WH	2031531C1	2025426C1	B	N92-G	10	WH	2031531C1	2025426C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14-G	10	WH	2025423C1	2025426C1	B	N14-GA	10	WH	2025423C1	2025426C1												
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	N97-G	10	WH	2031531C1	2025426C1																																																		
B	N92-G	10	WH	2031531C1	2025426C1																																																		
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	N14-G	10	WH	2025423C1	2025426C1																																																		
B	N14-GA	10	WH	2025423C1	2025426C1																																																		
<p>BATT ECM POSITIVE CONN (9261)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>CONNECTOR - 2031522C1 PLUG - 2025432C1 LOCK - 2033927C1</p> <table border="1" style="font-size: x-small; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>N14BA</td><td>10</td><td>RD</td><td>2031531C1</td><td>2025426C1</td></tr> <tr><td>B</td><td>N14BB</td><td>10</td><td>RD</td><td>2031531C1</td><td>2025426C1</td></tr> </table> </div> <div style="text-align: center;">  <p>CONNECTOR - 2031520C1 PLUG - 2025432C1 LOCK - 2033927C1</p> <table border="1" style="font-size: x-small; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>N97AA</td><td>10</td><td>RD</td><td>2025423C1</td><td>2025426C1</td></tr> <tr><td>B</td><td>N92A</td><td>10</td><td>RD</td><td>2025423C1</td><td>2025426C1</td></tr> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14BA	10	RD	2031531C1	2025426C1	B	N14BB	10	RD	2031531C1	2025426C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N97AA	10	RD	2025423C1	2025426C1	B	N92A	10	RD	2025423C1	2025426C1												
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	N14BA	10	RD	2031531C1	2025426C1																																																		
B	N14BB	10	RD	2031531C1	2025426C1																																																		
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	N97AA	10	RD	2025423C1	2025426C1																																																		
B	N92A	10	RD	2025423C1	2025426C1																																																		
<p>AMMETER (9262) (LOCATED AT BATTERY)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>BATTERY HARNESS</p> <table border="1" style="font-size: x-small; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>N26B</td><td>14</td><td>TN</td><td>2033816C1</td><td>589391C1</td></tr> </table> <p>CONNECTOR - 1664531C1 LOCK - 1675053C1</p> </div> <div style="text-align: center;">  <p>BATTERY INTERCONNECT</p> <table border="1" style="font-size: x-small; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>N26B</td><td>10</td><td>TN</td><td>1687848C1</td><td>589390C1</td></tr> </table> <p>CONNECTOR - 1669834C1 LOCK - 1675053C1</p> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N26B	14	TN	2033816C1	589391C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N26B	10	TN	1687848C1	589390C1	<p>2-WAY RADIO NEGATIVE CONNECTION (9263) (LOCATED IN BATTERY BOX)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>BATTERY CABLE</p> <table border="1" style="font-size: x-small; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>N14-GD</td><td>10</td><td>WH</td><td>1687847C1</td><td>589390C1</td></tr> </table> <p>CONNECTOR - 1664531C1 LOCK - 1675053C1</p> </div> <div style="text-align: center;">  <p>BATTERY HARNESS</p> <table border="1" style="font-size: x-small; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>N14-GD</td><td>10</td><td>WH</td><td>1687848C1</td><td>589390C1</td></tr> </table> <p>CONNECTOR - 1669834C1 LOCK - 1675053C1</p> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14-GD	10	WH	1687847C1	589390C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14-GD	10	WH	1687848C1	589390C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	N26B	14	TN	2033816C1	589391C1																																																		
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	N26B	10	TN	1687848C1	589390C1																																																		
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	N14-GD	10	WH	1687847C1	589390C1																																																		
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	N14-GD	10	WH	1687848C1	589390C1																																																		
<p>2-WAY RADIO POSITIVE CONNECTION (9264) (LOCATED IN BATTERY BOX)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>BATTERY HARNESS</p> <table border="1" style="font-size: x-small; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>N14HC</td><td>10</td><td>RD</td><td>1687847C1</td><td>589390C1</td></tr> </table> <p>CONNECTOR - 1664531C1 LOCK - 1675053C1</p> </div> <div style="text-align: center;">  <p>BATTERY CABLE</p> <table border="1" style="font-size: x-small; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>N14HC</td><td>10</td><td>RD</td><td>1687848C1</td><td>589390C1</td></tr> </table> <p>CONNECTOR - 1669834C1 LOCK - 1675053C1</p> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14HC	10	RD	1687847C1	589390C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14HC	10	RD	1687848C1	589390C1	<p>2-WAY RADIO FEED FUSE CONNECTOR (9265) (LOCATED IN BATTERY BOX)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>CONNECTOR - 3512967C1 PLUG - 453133C1</p> <table border="1" style="font-size: x-small; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>N14HB</td><td>10</td><td>RD</td><td>1661708C1</td><td>N/A</td></tr> <tr><td>B</td><td>N14HC</td><td>10</td><td>RD</td><td>1661708C1</td><td>N/A</td></tr> </table> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14HB	10	RD	1661708C1	N/A	B	N14HC	10	RD	1661708C1	N/A						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	N14HC	10	RD	1687847C1	589390C1																																																		
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	N14HC	10	RD	1687848C1	589390C1																																																		
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	N14HB	10	RD	1661708C1	N/A																																																		
B	N14HC	10	RD	1661708C1	N/A																																																		
<p>STOP TAIL AND TURN (9303A)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>CONNECTOR - 1661375C2 PLUG - 0587579C1 LOCK - 1661376C1</p> <table border="1" style="font-size: x-small; margin-top: 10px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>R71</td><td>14</td><td>OR</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>R56</td><td>14</td><td>OR</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>C</td><td>R57</td><td>14</td><td>OR</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>D</td><td>R68</td><td>14</td><td>BN</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>E</td><td>R10-G</td><td>12</td><td>WH</td><td>2033816C1</td><td>0589390C1</td></tr> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	R71	14	OR	2033816C1	0589391C1	B	R56	14	OR	2033816C1	0589391C1	C	R57	14	OR	2033816C1	0589391C1	D	R68	14	BN	2033816C1	0589391C1	E	R10-G	12	WH	2033816C1	0589390C1												
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	R71	14	OR	2033816C1	0589391C1																																																		
B	R56	14	OR	2033816C1	0589391C1																																																		
C	R57	14	OR	2033816C1	0589391C1																																																		
D	R68	14	BN	2033816C1	0589391C1																																																		
E	R10-G	12	WH	2033816C1	0589390C1																																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> <th>DATE</th> <th>PART NO.</th> <th>SHEET</th> </tr> <tr> <td>PEC</td> <td>13JAN01</td> <td>PRODUCTION RELEASE.</td> <td>A</td> <td>P54304U</td> <td>U00EDL2</td> <td>42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS</td> <td></td> <td></td> <td></td> </tr> <tr> <td>PEC</td> <td>25JUN01</td> <td>ADDED 9260-9303A.</td> <td>B</td> <td>P54634F</td> <td>P52778H</td> <td></td> <td>28JUN00</td> <td>AE08-52376</td> <td>53</td> </tr> </table>								CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	DATE	PART NO.	SHEET	PEC	13JAN01	PRODUCTION RELEASE.	A	P54304U	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS				PEC	25JUN01	ADDED 9260-9303A.	B	P54634F	P52778H		28JUN00	AE08-52376	53																		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	DATE	PART NO.	SHEET																																														
PEC	13JAN01	PRODUCTION RELEASE.	A	P54304U	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																	
PEC	25JUN01	ADDED 9260-9303A.	B	P54634F	P52778H		28JUN00	AE08-52376	53																																														

Figure 165 Connector Composites (9260), (9261), (9262), (9263), (9264), (9265), (9303A)

12.54. CONNECTOR COMPOSITES (9404), (9405), (9501), (9502), (9503), (9504), (9505), (9506), P. 54

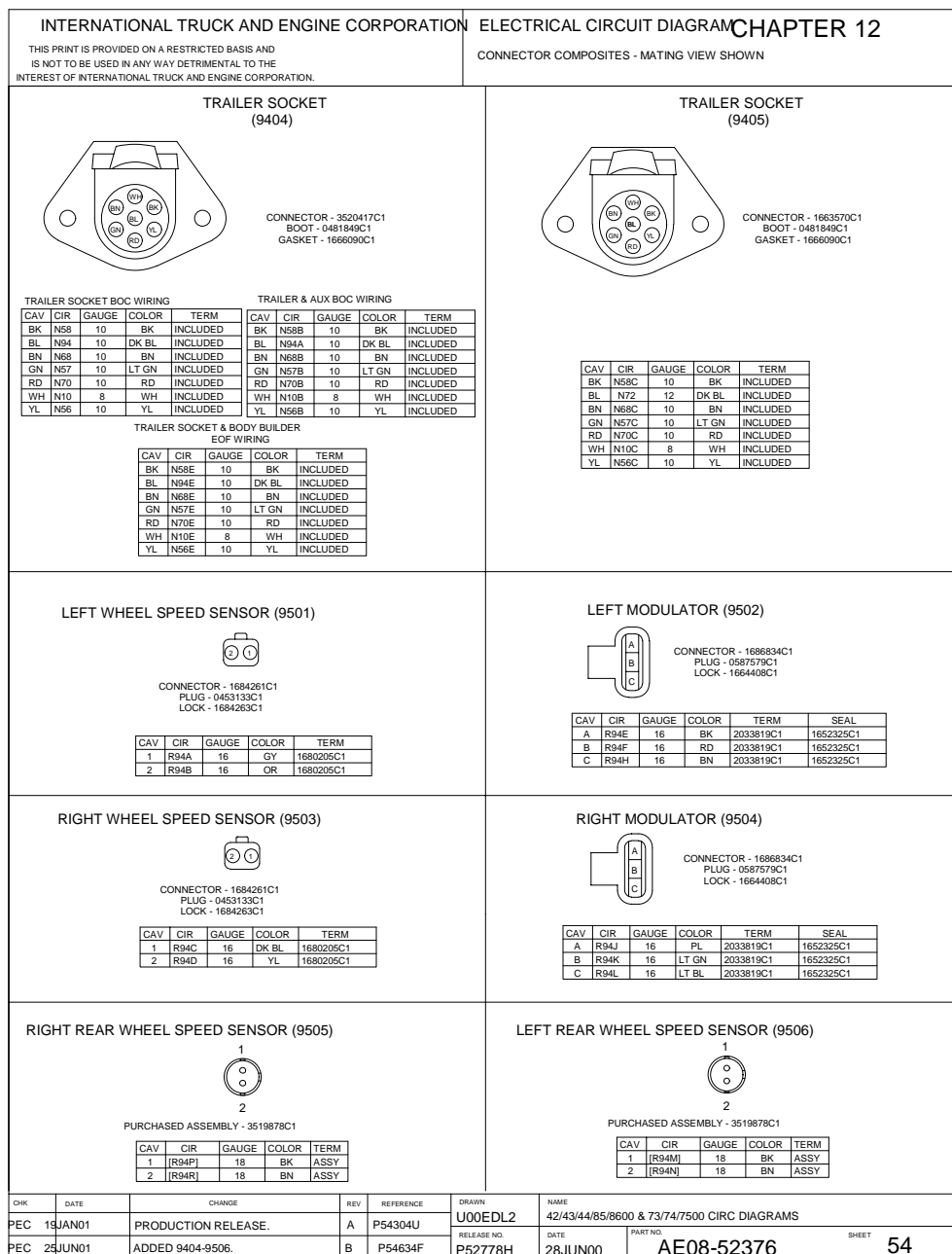


Figure 166 Connector Composites (9404), (9405), (9501), (9502), (9503), (9504), (9505), (9506)

12.55. CONNECTOR COMPOSITES (9507), (9508), (9509), (9510), (9511), (9512), (9513), (9514), (9515), P. 55

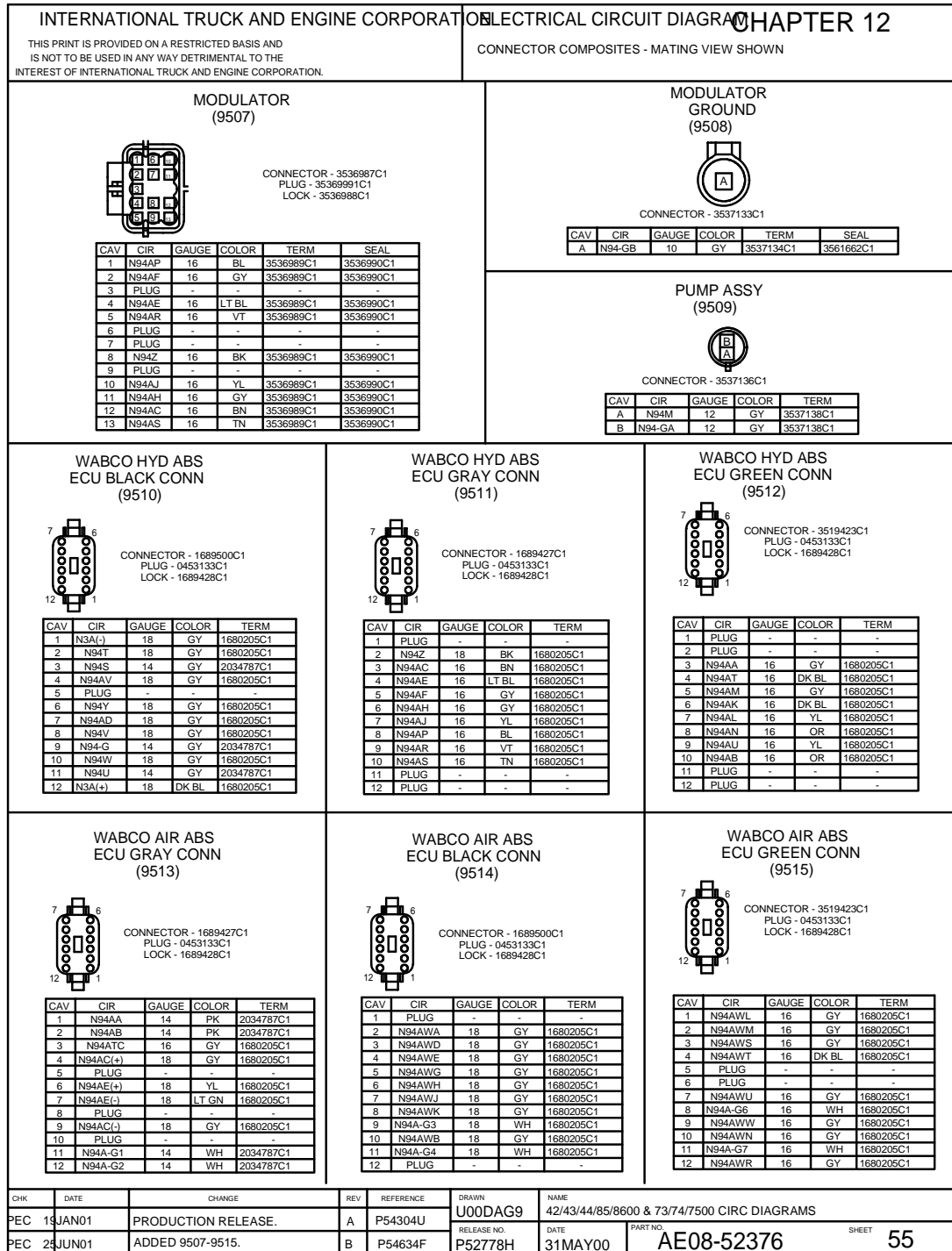


Figure 167 Connector Composites (9507), (9508), (9509), (9510), (9511), (9512), (9513), (9514), (9515)

12.56. CONNECTOR COMPOSITES (9516), (9517), (9518), (9519), (9520A), (9520B), (9520D), (9520E), P. 56









INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																												
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					CONNECTOR COMPOSITES - MATING VIEW SHOWN																																												
<div>WABCO LEFT REAR AIR ABS WHEEL SPEED SENSOR (9516)</div> <div><div>PURCHASED ASSEMBLY P/N 3519878C1</div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>1</td><td>R94AWL</td><td>18</td><td>GY</td></tr><tr><td>2</td><td>R94AWM</td><td>18</td><td>GY</td></tr></table>					CAV	CIR	GAUGE	COLOR	1	R94AWL	18	GY	2	R94AWM	18	GY	<div>WABCO RIGHT REAR AIR ABS WHEEL SPEED SENSOR (9517)</div> <div><div>PURCHASED ASSEMBLY P/N 3519878C1</div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>1</td><td>R94AWS</td><td>18</td><td>GY</td></tr><tr><td>2</td><td>R94AWT</td><td>18</td><td>GY</td></tr></table>					CAV	CIR	GAUGE	COLOR	1	R94AWS	18	GY	2	R94AWT	18	GY																
CAV	CIR	GAUGE	COLOR																																														
1	R94AWL	18	GY																																														
2	R94AWM	18	GY																																														
CAV	CIR	GAUGE	COLOR																																														
1	R94AWS	18	GY																																														
2	R94AWT	18	GY																																														
<div>WABCO LEFT REAR AIR ABS MODULATOR (9518)</div> <div><div>CONNECTOR: 3519879C1</div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>1</td><td>R94A-G7</td><td>18</td><td>GN</td></tr><tr><td>2</td><td>R94AWN</td><td>18</td><td>BK</td></tr><tr><td>3</td><td>R94AWR</td><td>18</td><td>BN</td></tr></table>					CAV	CIR	GAUGE	COLOR	1	R94A-G7	18	GN	2	R94AWN	18	BK	3	R94AWR	18	BN	<div>WABCO RIGHT REAR AIR ABS MODULATOR (9519)</div> <div><div>CONNECTOR: 3519879C1</div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>1</td><td>R94A-G6</td><td>18</td><td>GN</td></tr><tr><td>2</td><td>R94AWH</td><td>18</td><td>BK</td></tr><tr><td>3</td><td>R94AWW</td><td>18</td><td>BN</td></tr></table>					CAV	CIR	GAUGE	COLOR	1	R94A-G6	18	GN	2	R94AWH	18	BK	3	R94AWW	18	BN								
CAV	CIR	GAUGE	COLOR																																														
1	R94A-G7	18	GN																																														
2	R94AWN	18	BK																																														
3	R94AWR	18	BN																																														
CAV	CIR	GAUGE	COLOR																																														
1	R94A-G6	18	GN																																														
2	R94AWH	18	BK																																														
3	R94AWW	18	BN																																														
<div>WABCO AIR ABS J1939 (9520A)</div> <div><table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>1</td><td>N94AE(+)</td><td>18</td><td>YL</td></tr><tr><td>2</td><td>N94AE(-)</td><td>18</td><td>LTGN</td></tr><tr><td>3</td><td>PLUG</td><td></td><td></td></tr><tr><td>4</td><td>PLUG</td><td></td><td></td></tr></table><div>CONNECTOR: 3537127C1 PLUG: 3537132C1 HEAT SHRINK: 2644000R1 HEAT SHRINK: 3525239R1 Y-SPLITTER: 3537130C1 TERMINATOR RESISTER: 3537129C1</div></div>					CAV	CIR	GAUGE	COLOR	1	N94AE(+)	18	YL	2	N94AE(-)	18	LTGN	3	PLUG			4	PLUG			<div>WABCO AIR ABS J1939 (9520B)</div> <div><table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>1</td><td>N94AF(+)</td><td>18</td><td>YL</td></tr><tr><td>2</td><td>N94AF(-)</td><td>18</td><td>LTGN</td></tr><tr><td>3</td><td>PLUG</td><td></td><td></td></tr><tr><td>4</td><td>PLUG</td><td></td><td></td></tr></table><div>CONNECTOR: 3537127C1 PLUG: 3537132C1 HEAT SHRINK: 2644000R1 HEAT SHRINK: 3525239R1 Y-SPLITTER: 3537130C1 TERMINATOR RESISTER: 3537129C1</div></div>					CAV	CIR	GAUGE	COLOR	1	N94AF(+)	18	YL	2	N94AF(-)	18	LTGN	3	PLUG			4	PLUG		
CAV	CIR	GAUGE	COLOR																																														
1	N94AE(+)	18	YL																																														
2	N94AE(-)	18	LTGN																																														
3	PLUG																																																
4	PLUG																																																
CAV	CIR	GAUGE	COLOR																																														
1	N94AF(+)	18	YL																																														
2	N94AF(-)	18	LTGN																																														
3	PLUG																																																
4	PLUG																																																
<div>WABCO AIR ABS J1939 (9520D)</div> <div><table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>1</td><td>N94AF(+)</td><td>18</td><td>YL</td></tr><tr><td>2</td><td>N94AF(-)</td><td>18</td><td>LTGN</td></tr><tr><td>3</td><td>PLUG</td><td></td><td></td></tr><tr><td>4</td><td>PLUG</td><td></td><td></td></tr></table><div>CONNECTOR: 3537127C1 PLUG: 3537132C1 HEAT SHRINK: 2644000R1 HEAT SHRINK: 3525239R1 Y-SPLITTER: 3537130C1 TERMINATOR RESISTER: 3537129C1</div></div>					CAV	CIR	GAUGE	COLOR	1	N94AF(+)	18	YL	2	N94AF(-)	18	LTGN	3	PLUG			4	PLUG			<div>WABCO AIR ABS J1939 (9520E)</div> <div><table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>1</td><td>N94AF(+)</td><td>18</td><td>YL</td></tr><tr><td>2</td><td>N94AF(-)</td><td>18</td><td>LTGN</td></tr><tr><td>3</td><td>PLUG</td><td></td><td></td></tr><tr><td>4</td><td>PLUG</td><td></td><td></td></tr></table><div>CONNECTOR: 3537127C1 PLUG: 3537132C1 HEAT SHRINK: 2644000R1 HEAT SHRINK: 3525239R1 Y-SPLITTER: 3537130C1 TERMINATOR RESISTER: 3537129C1</div></div>					CAV	CIR	GAUGE	COLOR	1	N94AF(+)	18	YL	2	N94AF(-)	18	LTGN	3	PLUG			4	PLUG		
CAV	CIR	GAUGE	COLOR																																														
1	N94AF(+)	18	YL																																														
2	N94AF(-)	18	LTGN																																														
3	PLUG																																																
4	PLUG																																																
CAV	CIR	GAUGE	COLOR																																														
1	N94AF(+)	18	YL																																														
2	N94AF(-)	18	LTGN																																														
3	PLUG																																																
4	PLUG																																																
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																											
PEC	19JAN01	PRODUCTION RELEASE.	A	P54304U	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																											
PEC	25JUN01	ADDED 9516-9520E.	B	P54634F	RELEASE NO. P52778H	DATE	PART NO.	SHEET																																									
						28JUN00	AE08-52376	56																																									

Figure 168 Connector Composites (9516), (9517), (9518), (9519), (9520A), (9520B), (9520D), (9520E)

12.57. CONNECTOR COMPOSITE (9700), P. 57

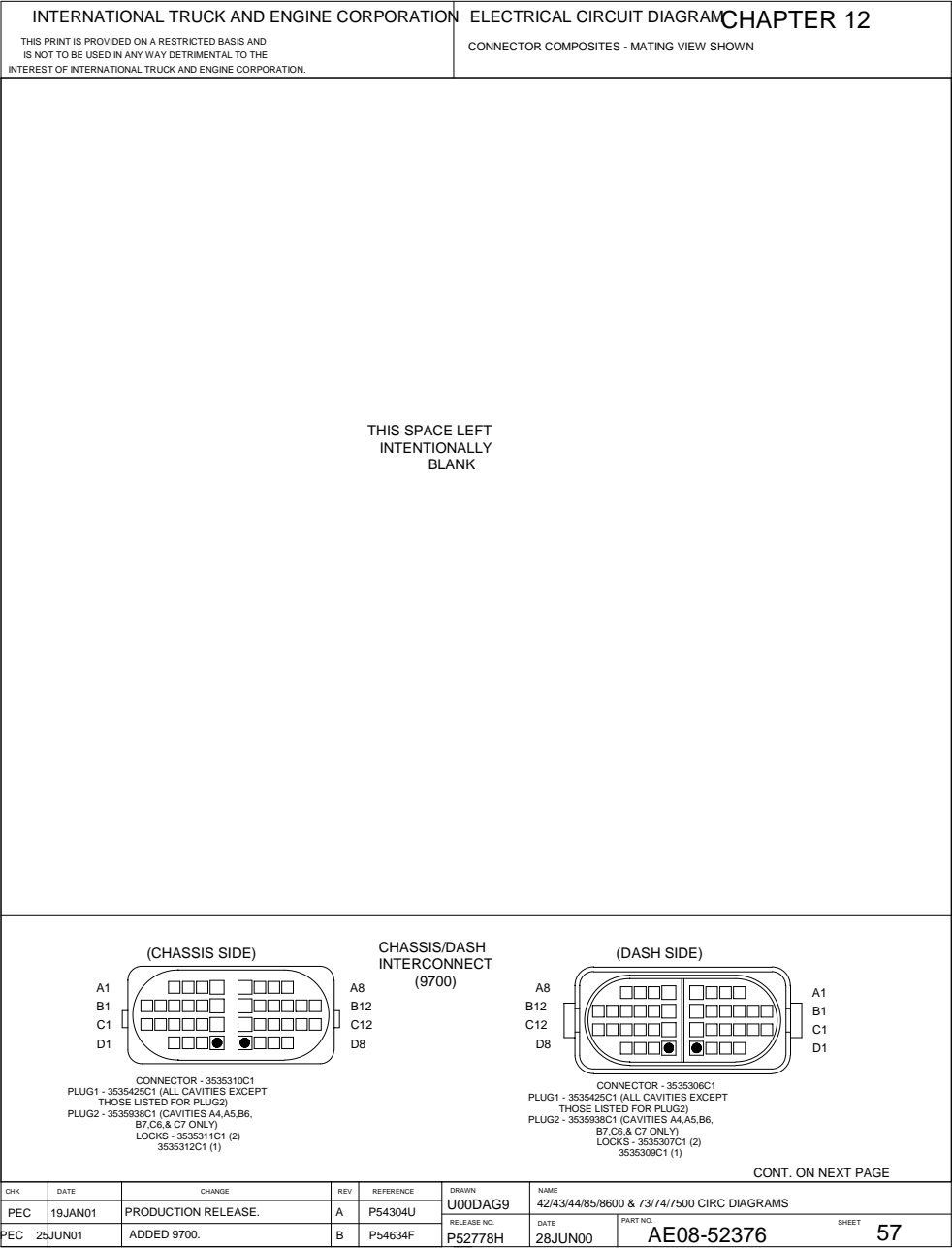


Figure 169 Connector Composite (9700)

12.58. CONNECTOR COMPOSITE (9700), P. 58

INTERNATIONAL TRUCK AND ENGINE CORPORATION

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

CONNECTOR COMPOSITES - MATING VIEW SHOWN

CHASSIS/DASH INTERCONNECT (9700)

CONT. FROM PREVIOUS PAGE

(CHASSIS SIDE)

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
A1	N32A	18	TN	3535305C1	3535424C1	
A2	N32	18	TN	3535305C1	3535424C1	
A3	N94A	16	GY	3535305C1	3535424C1	W/AIR ABS
A3	N94AM	16	GY	3535305C1	3535424C1	W/HYD ABS
A3	N94AVJ	18	GY	3535305C1	3535310C1	W/WABCO AIR
A4	N71	14	OR	3535934C1	3535937C1	
A5	N56	14	OR	3535934C1	3535937C1	
A6	N94B	16	OR	3535305C1	3535424C1	W/AIR ABS
A6	N94AN	16	OR	3535305C1	3535424C1	W/HYD ABS
A6	N94AWK	18	GY	3535305C1	3535310C1	W/WABCO AIR
A7	N94C	16	DK BL	3535305C1	3535424C1	W/AIR ABS
A7	N94T	16	DK BL	3535305C1	3535424C1	W/HYD ABS
A7	N94AVG	18	GY	3535305C1	3535310C1	W/WABCO AIR
A8	N94D	16	YL	3535305C1	3535424C1	W/AIR ABS
A8	N94AU	16	YL	3535305C1	3535424C1	W/HYD ABS
A8	N94AVH	18	GY	3535305C1	3535310C1	W/WABCO AIR
B1	N94E	16	BK	3535305C1	3535424C1	W/AIR ABS
B1	N94T	18	GY	3535305C1	3535424C1	W/HYD ABS
B1	N94AWA	18	GY	3535305C1	3535310C1	W/WABCO AIR
B2	N94F	16	RD	3535305C1	3535424C1	W/AIR ABS
B2	N94AD	18	GY	3535305C1	3535424C1	W/HYD ABS
B2	N94A-G4	18	WH	3535305C1	3535310C1	W/WABCO AIR
B3	N94H	16	BN	3535305C1	3535424C1	W/AIR ABS
B3	N94Y	18	GY	3535305C1	3535424C1	W/HYD ABS
B3	N94AVB	18	GY	3535305C1	3535310C1	W/WABCO AIR
B4	N94J	16	PL	3535305C1	3535424C1	W/AIR ABS
B4	N94AV	18	GY	3535305C1	3535424C1	W/HYD ABS
B4	N94AVE	18	GY	3535305C1	3535310C1	W/WABCO AIR
B5	N94K	16	LT GN	3535305C1	3535424C1	W/AIR ABS
B5	N94V	18	GY	3535305C1	3535424C1	W/HYD ABS
B5	N94A-G3	18	WH	3535305C1	3535310C1	W/WABCO AIR
B6	N57	14	OR	3535934C1	3535937C1	
B7	N68	14	BN	3535934C1	3535937C1	
B8	N94L	16	LT BL	3535305C1	3535424C1	
B8	N94AVD	18	GY	3535305C1	3535310C1	W/WABCO AIR
B9	N59-GA	18	WH	3535305C1	3535310C1	
B10	N59J	18	GY	3535305C1	3535424C1	
B11	*	18	TN	3535305C1	3535424C1	
B12	**	16	GY	3535305C1	3535424C1	
C1	N59K	18	GY	3535305C1	3535424C1	
C2	N59L	18	GY	3535305C1	3535424C1	
C3	N94BD	16	BN	3535305C1	3535424C1	W/AIR ABS
C3	N3A(-)	18	GY	3535305C1	3535424C1	W/HYD ABS
C3	N94C(+)	18	GY	3535305C1	3535310C1	W/WABCO AIR
C4	N94BE	16	YL	3535305C1	3535424C1	W/AIR ABS
C4	N3A(+)	18	DK BL	3535305C1	3535424C1	W/HYD ABS
C4	N94C(-)	18	GY	3535305C1	3535310C1	W/WABCO AIR
C5	N59M	18	GY	3535305C1	3535424C1	
C6	N10-G	14	WH	3535934C1	3535937C1	
C7	N59H	14	GY	3535934C1	3535937C1	
C8	***	18	GY	3535305C1	3535424C1	
C9	PLUG	-	-	-	-	
C10	****	18	TN	3535305C1	3535424C1	
C11	N37	18	TN	3535305C1	3535424C1	
C12	N49A	18	GY	3535305C1	3535424C1	
D1	N49B	18	GY	3535305C1	3535424C1	
D2	PLUG	-	-	-	-	
D3	PLUG	-	-	-	-	
D6	PLUG	-	-	-	-	
D7	PLUG	-	-	-	-	
D8	N9	18	GY	3535305C1	3535424C1	

(DASH SIDE)

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
A1	J32	18	TN	3535303C1	3535424C1	
A2	J32A	18	TN	3535303C1	3535424C1	
A3	J94AB	18	GY	3535303C1	3535424C1	W/AIR ABS
A3	J94HM	18	GY	3535303C1	3535424C1	W/HYD ABS
A4	J71	18	OR	3535930C1	3535936C1	
A5	J56B	16	OR	3535930C1	3535936C1	
A6	J94AA	18	OR	3535303C1	3535424C1	W/AIR ABS
A6	J94HN	18	OR	3535303C1	3535424C1	W/HYD ABS
A7	J94AL	18	DK BL	3535303C1	3535424C1	W/AIR ABS
A7	J94HT	18	DK BL	3535303C1	3535424C1	W/HYD ABS
A8	J94AK	18	YL	3535303C1	3535424C1	W/AIR ABS
A8	J94HU	18	YL	3535303C1	3535424C1	W/HYD ABS
B1	J94AC	18	BK	3535303C1	3535424C1	W/AIR ABS
B1	J94HD	18	GY	3535303C1	3535424C1	W/HYD ABS
B2	J94AD	18	RD	3535303C1	3535424C1	W/AIR ABS
B2	J94HV	18	GY	3535303C1	3535424C1	W/HYD ABS
B3	J94AE	18	BN	3535303C1	3535424C1	W/AIR ABS
B3	J94HX	18	GY	3535303C1	3535424C1	W/HYD ABS
B4	J94AF	18	PL	3535303C1	3535424C1	W/AIR ABS
B4	J94JU	18	GY	3535303C1	3535424C1	W/HYD ABS
B5	J94AH	18	LT GN	3535303C1	3535424C1	W/AIR ABS
B5	J94HF	18	GY	3535303C1	3535424C1	W/HYD ABS
B6	J57B	16	OR	3535930C1	3535936C1	
B7	J68B	14	BN	3535931C1	3535937C1	
B8	J94AJ	18	GY	3535303C1	3535424C1	
B9	N59-GA	18	WH	3535303C1	3535424C1	
B10	J59A	18	GY	3535303C1	3535424C1	
B11	J36A	18	TN	3535303C1	3535424C1	
B12	J39A	16	GY	3535303C1	3535424C1	
C1	J59B	18	GY	3535303C1	3535424C1	
C2	J59C	18	GY	3535303C1	3535424C1	
C3	J94ATC	18	GY	3535303C1	3535424C1	W/AIR ABS
C3	J3C(-)	18	GY	3535303C1	3535424C1	W/HYD ABS
C4	J94ATR	18	GY	3535303C1	3535424C1	W/AIR ABS
C4	J3C(+)	18	DK BL	3535303C1	3535424C1	W/HYD ABS
C5	J59D	18	GY	3535303C1	3535424C1	
C6	J11-GA	14	WH	3535931C1	3535937C1	
C7	J59E	14	GY	3535931C1	3535937C1	
C8	J39B	16	GY	3535303C1	3535424C1	
C9	PLUG	-	-	-	-	
C10	J36B	18	TN	3535303C1	3535424C1	
C11	J37C	18	TN	3535303C1	3535424C1	
D12	J49A	18	GY	3535303C1	3535424C1	
D1	J49B	18	GY	3535303C1	3535424C1	
D2	PLUG	-	-	-	-	
D3	PLUG	-	-	-	-	
D6	PLUG	-	-	-	-	
D7	PLUG	-	-	-	-	
D8	J9G	18	GY	3535303C1	3535424C1	

* - FOR LEFT SIDE MTD FUEL TANKS, CIR NUM IS N36;
FOR RIGHT SIDE MTD FUEL TANKS, CIR NUM IS N36A;
FOR DUAL FUEL TANKS, CIR NUM IS N36B;
FOR AF MTD FUEL TANKS, CIR NUM IS N36C;
** - FOR LEFT SIDE MTD AIR DRYERS, CIR NUM IS N39B;
FOR RIGHT SIDE MTD AIR DRYERS, CIR NUM IS N39C;
*** - FOR LEFT SIDE MTD DRAIN VALVES, CIR NUM IS N39;
FOR RIGHT SIDE MTD DRAIN VALVES, CIR NUM IS N39A;
**** - FOR SINGLE TANK, CIR NUM IS N36;
FOR DUAL TANKS, CIR NUM IS N36H;

CHK

DATE

CHANGE

REV

REFERENCE

DRAWN

NAME

RELEASE NO.

DATE

PART NO.

SHEET

U00DLCK

42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS

P54634F

14JUN01

AE08-52376

58

Figure 170 Connector Composite (9700)

12.59. CONNECTOR COMPOSITES (9715), (9715A), (9715B), P. 59

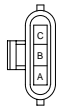
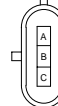
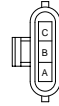
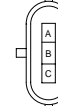
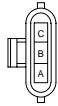
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12					
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN					
TRAILER SOCKET #1 (9715)									
CONNECTOR - 1667733C1 PLUG - 1675451C1 LOCK - 1667734C1						CONNECTOR - 1667732C1 PLUG - 1675451C1 LOCK - 1667734C1			
W/EOF OR BOC TRAILER SOCKET & EOF BODY BUILDER CONNECTOR									
CAV	CIR	GAUGE	COLOR	TERM	SEAL				
A	N70D	10	RD	1667737C1	1667735C1				
B	N68D	10	BN	1667737C1	1667735C1				
C	N94D	10	GY	1667737C1	1667735C1				
NOT W/BOC BODY BUILDER CONNECTORS									
CAV	CIR	GAUGE	COLOR	TERM	SEAL				
A	J70A	10	OR	2025425C1	1667735C1				
B	J68F	12	BN	2025424C1	1671603C1				
C	J94BC	10	GY	2025425C1	1667735C1				
W/BOC TRAILER SOCKET									
CAV	CIR	GAUGE	COLOR	TERM	SEAL				
A	N70	10	RD	1667737C1	1667735C1				
B	N68	10	BN	1667737C1	1667735C1				
C	N94	10	DK BL	1667737C1	1667735C1				
W/BOC AND AUX BOC TRAILER SOCKET									
CAV	CIR	GAUGE	COLOR	TERM	SEAL				
A	N70A	10	RD	1667737C1	1667735C1				
B	N68A	10	BN	1667737C1	1667735C1				
C	N94A	10	DK BL	1667737C1	1667735C1				
TRAILER SOCKET #1 (9715A)									
CONNECTOR - 1667733C1 PLUG - 1675451C1 LOCK - 1667734C1						CONNECTOR - 1667732C1 PLUG - 1675451C1 LOCK - 1667734C1			
W/EOF TRAILER SOCKET OR EOF BODY BUILDER CONNECTOR									
CAV	CIR	GAUGE	COLOR	TERM	SEAL				
A	N70D	10	RD	1667737C1	1667735C1				
B	N68D	10	BN	1667737C1	1667735C1				
C	N94D	10	GY	1667737C1	1667735C1				
W/EOF TRAILER SOCKET									
CAV	CIR	GAUGE	COLOR	TERM	SEAL				
A	R70A	10	RD	2025425C1	1667735C1				
B	R68A	10	BN	2025425C1	1667735C1				
C	R94A	10	DK BL	2025425C1	1667735C1				
W/BOC TRAILER SOCKET AND EOF BODY BUILDER CONNECTOR									
CAV	CIR	GAUGE	COLOR	TERM	SEAL				
A	N70F	10	RD	1667737C1	1667735C1				
B	N68F	10	BN	1667737C1	1667735C1				
C	N94F	10	GY	1667737C1	1667735C1				
W/EOF BODY BUILDER CONNECTOR									
CAV	CIR	GAUGE	COLOR	TERM	SEAL				
A	R70	10	RD	2025425C1	1667735C1				
B	R68	10	BN	2025425C1	1667735C1				
C	R94	10	GY	2025425C1	1667735C1				
TRAILER SOCKET #1 (9715B)									
CONNECTOR - 1667733C1 PLUG - 1675451C1 LOCK - 1667734C1									
W/BOC TRAILER SOCKET AND EOF BODY BUILDER CONNECTOR									
CAV	CIR	GAUGE	COLOR	TERM	SEAL				
A	R70	10	RD	1667737C1	1667735C1				
B	R68	10	BN	1667737C1	1667735C1				
C	R94	10	GY	1667737C1	1667735C1				
BOC - BACK OF CAB EOF - END OF FRAME									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	DATE	PART NO.	SHEET
					U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	14JUN01	AE08-52376	59
					P54634F				

Figure 171 Connector Composites (9715), (9715A), (9715B)

12.60. CONNECTOR COMPOSITES (9716), (9716A), (9716B), P. 60

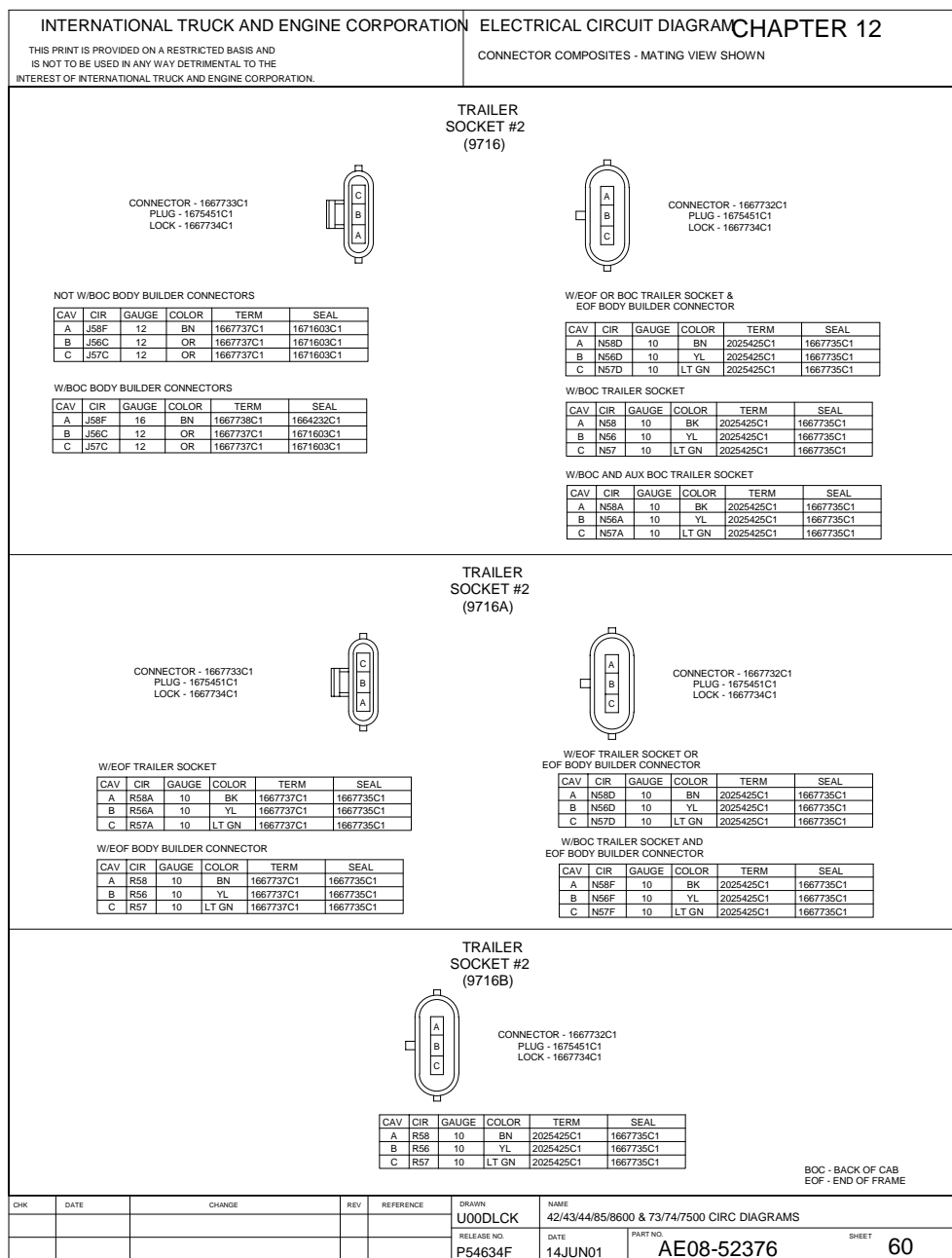


Figure 172 Connector Composites (9716), (9716A), (9716B)

12.61. CONNECTOR COMPOSITES (9717), (9717A), (9717B), P. 61

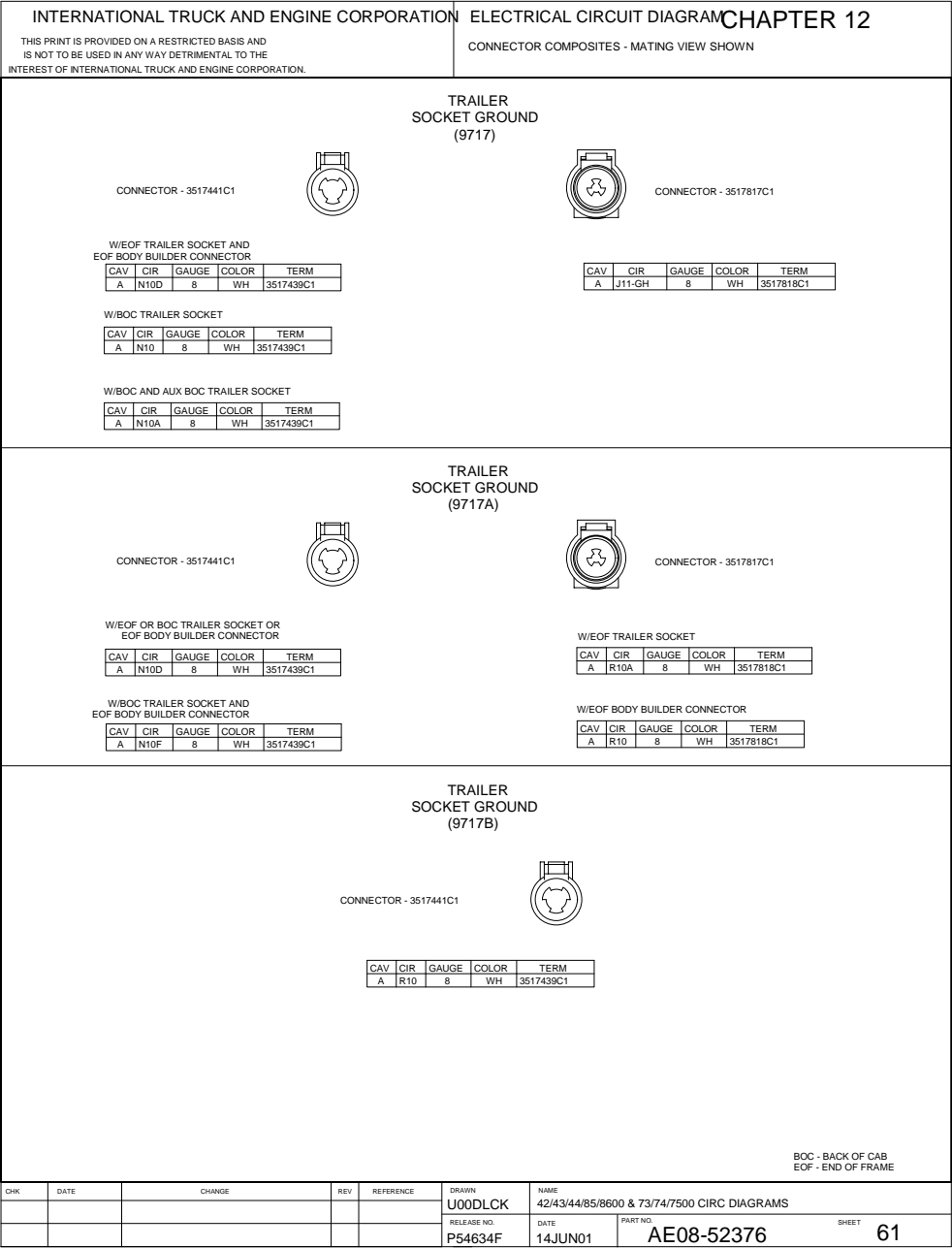


Figure 173 Connector Composites (9717), (9717A), (9717B)

12.62. CONNECTOR COMPOSITES (9718), (9719), (9720), (9733), (9734), (9736), (9762), (9763), P. 62

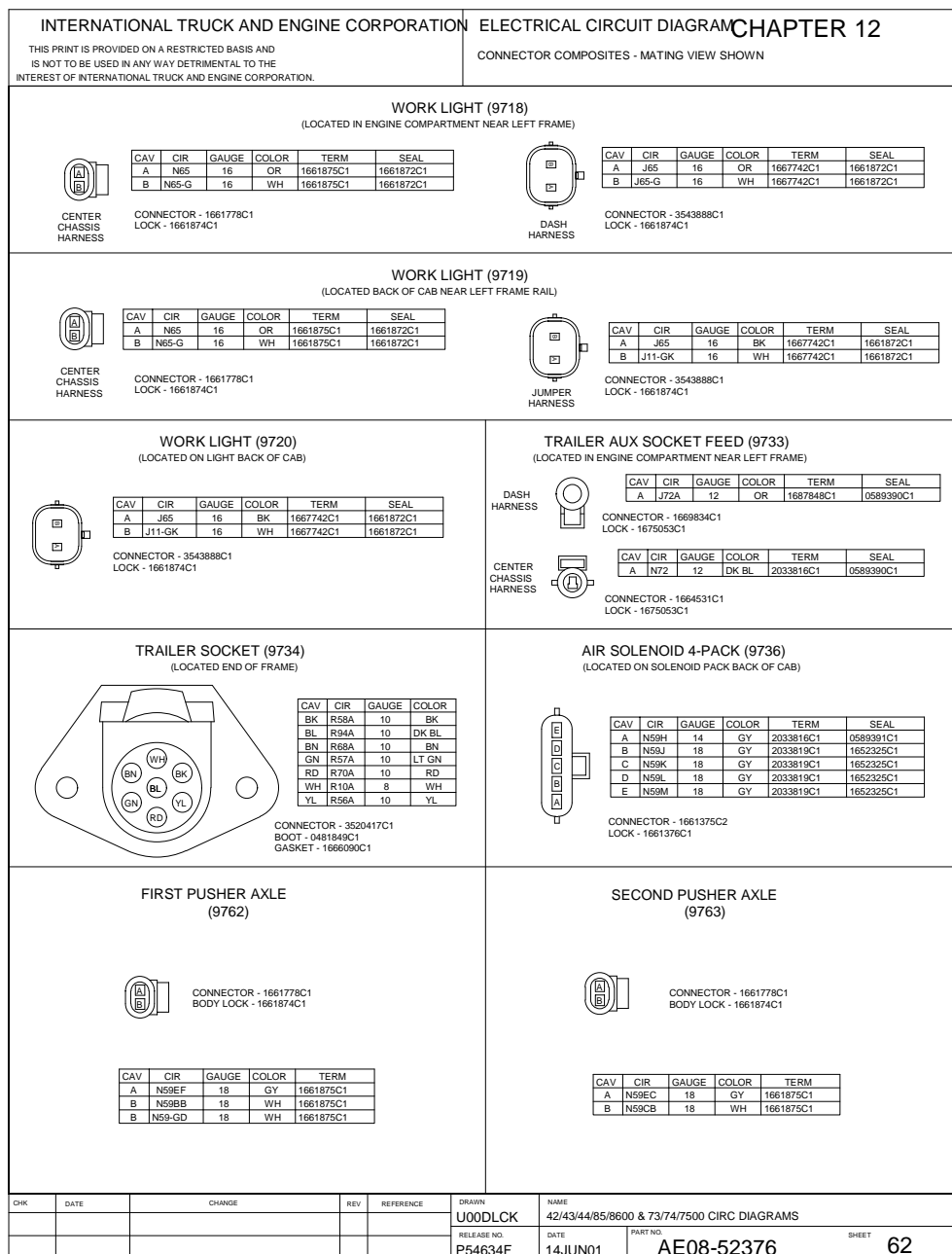



Figure 174 Connector Composites (9718), (9719), (9720), (9733), (9734), (9736), (9762), (9763)

12.63. CONNECTOR COMPOSITES (9777), (9800), P. 63

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN			

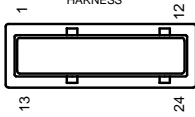
**SAAR
(9777)**
(LOCATED ON FRAME RAIL)



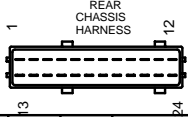
CONNECTOR - 1667741C1
SEAL - 1661872C1

CAV	CIR	GAUGE	COLOR	TERM
A	N44N	18	GY	1661875C1
B	N44-GB	18	WH	1661875C1
C	N44M	18	GY	1661875C1

CENTER CHASSIS/REAR CHASSIS (9800)
(LOCATED BY LEFT FRAME RAIL NEAR REAR AXLES)



CONNECTOR - 3558026C1
LOCK - 3558056C1
PLUG - 3532129C1



CONNECTOR - 3558022C1
SEAL - 3559047C1
LOCK - 3558056C1
PLUG - 3532129C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	N71	14	OR	3559037C1	3509903C1	
2	N56	14	OR	3559037C1	3509903C1	
3	N57	14	OR	3559037C1	3509903C1	
4	N68	14	BN	3559037C1	3509903C1	
5	N32A	18	TN	3509874C1	3509903C1	W/2 AXLE TEMPS
5	N36C	18	TN	3509874C1	3509903C1	W/AF FUEL TANK
6	N32	18	TN	3509874C1	3509903C1	
7	N49B	18	GY	3509874C1	3509903C1	
8	N49A	18	GY	3509874C1	3509903C1	
9	N49-G	18	WH	3509874C1	3509903C1	
10	N9F	18	GY	3509874C1	3509903C1	
11	N9F	18	GY	3509874C1	3509903C1	W/1 AXLE TEMP
11	N9H	18	GY	3509874C1	3509903C1	W/2 AXLE TEMP
12	N10-GA	12	WH	3559035C1	3509903C1	
13	N94AA	16	GY	3559035C1	3509903C1	W/HYD ABS
13	N94A	16	GY	3559035C1	3509903C1	W/AIR ABS
13	N94AWL	16	GY	3559035C1	3509903C1	W/WABCO AIR
14	N94AB	16	OR	3559035C1	3509903C1	W/HYD ABS
14	N94B	16	OR	3559035C1	3509903C1	W/AIR ABS
14	N94AWM	16	GY	3559035C1	3509903C1	W/WABCO AIR
15	N94AK	16	DK BL	3559035C1	3509903C1	W/HYD ABS
15	N94C	16	DK BL	3559035C1	3509903C1	W/AIR ABS
15	N94AWS	16	GY	3559035C1	3509903C1	W/WABCO AIR
16	N94AL	16	YL	3559035C1	3509903C1	W/HYD ABS
16	N94D	16	YL	3559035C1	3509903C1	W/AIR ABS
16	N94AWT	16	GY	3559035C1	3509903C1	W/WABCO AIR
17	N94E	16	BK	3559035C1	3509903C1	
17	N94AWN	16	GY	3559035C1	3509903C1	W/WABCO AIR
18	N94F	16	RD	3559035C1	3509903C1	
18	N94A-G7	16	WH	3559035C1	3509903C1	W/WABCO AIR
19	N94H	16	BN	3559035C1	3509903C1	
19	N94AWR	16	GY	3559035C1	3509903C1	W/WABCO AIR
20	N94J	16	PL	3559035C1	3509903C1	
20	N94AWU	16	GY	3559035C1	3509903C1	W/WABCO AIR
21	N94K	16	LT GN	3559035C1	3509903C1	
21	N94A-G6	16	WH	3559035C1	3509903C1	W/WABCO AIR
22	N94L	16	LT BL	3559035C1	3509903C1	
22	N94AWV	16	GY	3559035C1	3509903C1	W/WABCO AIR
23	N94BD	16	BN	3559035C1	3509903C1	
23	N94AWX	18	GY	3509874C1	3509903C1	W/WABCO AIR
24	N94BE	16	YL	3559035C1	3509903C1	
24	N94AWZ	18	GY	3509874C1	3509903C1	W/WABCO AIR

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	R71	14	OR	3559037C1	3509903C1	
2	R56	14	OR	3559037C1	3509903C1	
3	R57	14	OR	3559037C1	3509903C1	
4	R68	14	BN	3559037C1	3509903C1	
5	R32A	18	TN	3559036C1	3509903C1	W/2 AXLE TEMPS
5	R36	18	TN	3559036C1	3509903C1	W/AF FUEL TANKS
6	R32	18	TN	3559036C1	3509903C1	
7	R49	18	GY	3559036C1	3509903C1	
8	R49A	18	GY	3559036C1	3509903C1	
9	R49-GA	18	WH	3559036C1	3509903C1	W/1 DIFF LOCK
9	R10-GB	18	WH	3559036C1	3509903C1	W/2 DIFF LOCK
10	R9D	18	GY	3559036C1	3509903C1	
11	R9C	18	GY	3559036C1	3509903C1	W/1 AXLE TEMP
11	R9B	18	GY	3559036C1	3509903C1	W/2 AXLE TEMPS
12	R10-G	12	WH	3559037C1	3509903C1	
13	(R94M)	18	BK	3559036C1	3509903C1	W/HYD ABS
13	R94A	16	GY	3559037C1	3509903C1	W/AIR ABS
13	R94AWL	18	GY	3559036C1	3509903C1	W/WABCO AIR
14	(R94N)	18	BN	3559036C1	3509903C1	W/HYD ABS
14	R94B	16	OR	3559037C1	3509903C1	W/AIR ABS
14	R94AWM	18	GY	3559036C1	3509903C1	W/WABCO AIR
15	(R94P)	18	BK	3559036C1	3509903C1	W/HYD ABS
15	R94C	16	DK BL	3559037C1	3509903C1	W/AIR ABS
15	R94AWS	18	GY	3559036C1	3509903C1	W/WABCO AIR
16	(R94R)	18	BN	3559036C1	3509903C1	W/HYD ABS
16	R94D	16	YL	3559037C1	3509903C1	W/AIR ABS
16	R94AWT	18	GY	3559036C1	3509903C1	W/WABCO AIR
17	R94E	16	BK	3559037C1	3509903C1	
17	R94AWN	18	BK	3559036C1	3509903C1	W/WABCO AIR
18	R94F	16	RD	3559037C1	3509903C1	
18	R94A-G7	18	GN	3559036C1	3509903C1	W/WABCO AIR
19	R94H	16	BN	3559037C1	3509903C1	
19	R94AWR	18	BN	3559036C1	3509903C1	W/WABCO AIR
20	R94J	16	PL	3559037C1	3509903C1	
20	R94AWU	18	BK	3559036C1	3509903C1	W/WABCO AIR
21	R94K	16	LT GN	3559037C1	3509903C1	
21	R94A-G6	18	GN	3559036C1	3509903C1	W/WABCO AIR
22	R94L	16	LT BL	3559037C1	3509903C1	
22	R94AWV	18	BN	3559036C1	3509903C1	W/WABCO AIR
23	R94BD	16	BN	3559037C1	3509903C1	
23	R94AWX	18	GY	3559036C1	3509903C1	W/WABCO AIR
24	R94BE	16	YL	3559037C1	3509903C1	
24	R94AWZ	18	GY	3559036C1	3509903C1	W/WABCO AIR

CHK	DATE	CHANGE	REV	REFERENCE
PEC	15JAN02	ADDED 9777 CONN.	A	55043Z

U00DLCK

RELEASE NO. P54634F

NAME 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS

DATE 14JUN01

PART NO. AE08-52376

SHEET 63

Figure 175 Connector Composites (9777), (9800)

S082852

12.64. CONNECTOR COMPOSITES (9870), (9871), (9811), (9812), (9814), (9815), (9820M), (9850), (9900), (9900A), P. 64











INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																	
AIR SUSPENSION DUMP VALVE 4X2 (9870) (LOCATED NEAR REAR AXLE ON CROSSMEMBER) <div style="text-align: center; margin: 10px 0;">  </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <small>CONNECTOR - 0587568C91 SEAL - 1652325C1 TERMINAL - 0587576C1</small> </div> <table border="1" style="width: 45%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr> <tr><td>A</td><td>N61A</td><td>18</td><td>GY</td></tr> <tr><td>B</td><td>N61-GA</td><td>18</td><td>GY</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	A	N61A	18	GY	B	N61-GA	18	GY	AIR SUSPENSION DUMP VALVE 6X4 (9871) (LOCATED NEAR REAR AXLE ON CROSSMEMBER) <div style="text-align: center; margin: 10px 0;">  </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <small>CONNECTOR - 0587568C91 SEAL - 1652325C1 TERMINAL - 0587576C1</small> </div> <table border="1" style="width: 45%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr> <tr><td>A</td><td>N61AA</td><td>18</td><td>GY</td></tr> <tr><td>B</td><td>N61-GB</td><td>18</td><td>GY</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	A	N61AA	18	GY	B	N61-GB	18	GY																						
CAV	CIR	GAUGE	COLOR																																																		
A	N61A	18	GY																																																		
B	N61-GA	18	GY																																																		
CAV	CIR	GAUGE	COLOR																																																		
A	N61AA	18	GY																																																		
B	N61-GB	18	GY																																																		
FR AXLE TEMP SENDER (9811) (LOCATED ON AXLE) <div style="text-align: center; margin: 10px 0;">  </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <small>CONNECTOR - 3536864C1</small> </div> <table border="1" style="width: 45%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>1</td><td>R32A</td><td>18</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr> <tr><td>2</td><td>R9A</td><td>18</td><td>GY</td><td>3536865C1</td><td>3536866C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	R32A	18	TN	3536865C1	3536866C1	2	R9A	18	GY	3536865C1	3536866C1	RR AXLE TEMP SENDER (9812) (LOCATED ON AXLE) <div style="text-align: center; margin: 10px 0;">  </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <small>CONNECTOR - 3536864C1</small> </div> <table border="1" style="width: 45%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th><th>NOTES</th></tr> <tr><td>1</td><td>R32</td><td>18</td><td>TN</td><td>3536865C1</td><td>3536866C1</td><td></td></tr> <tr><td>2</td><td>R9</td><td>18</td><td>GY</td><td>3536865C1</td><td>3536866C1</td><td>W/TANDEM</td></tr> <tr><td>2</td><td>R9C</td><td>18</td><td>GY</td><td>3536865C1</td><td>3536866C1</td><td>N/TANDEM</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES	1	R32	18	TN	3536865C1	3536866C1		2	R9	18	GY	3536865C1	3536866C1	W/TANDEM	2	R9C	18	GY	3536865C1	3536866C1	N/TANDEM
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																
1	R32A	18	TN	3536865C1	3536866C1																																																
2	R9A	18	GY	3536865C1	3536866C1																																																
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																															
1	R32	18	TN	3536865C1	3536866C1																																																
2	R9	18	GY	3536865C1	3536866C1	W/TANDEM																																															
2	R9C	18	GY	3536865C1	3536866C1	N/TANDEM																																															
FR AXLE DIFF LOCK WARN LIGHT (9814) (LOCATED ON AXLE) <div style="text-align: center; margin: 10px 0;">  </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <small>CONNECTOR - 587567C91</small> </div> <table border="1" style="width: 45%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>R49</td><td>18</td><td>GY</td><td>0587578C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>R49-GA</td><td>18</td><td>WH</td><td>0587578C1</td><td>1652325C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	R49	18	GY	0587578C1	1652325C1	B	R49-GA	18	WH	0587578C1	1652325C1	RR AXLE DIFF LOCK WARN LIGHT (9815) (LOCATED ON AXLE) <div style="text-align: center; margin: 10px 0;">  </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <small>CONNECTOR - 587567C91</small> </div> <table border="1" style="width: 45%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>R49A</td><td>18</td><td>GY</td><td>0587578C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>R49-GA</td><td>18</td><td>WH</td><td>0587578C1</td><td>1652325C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	R49A	18	GY	0587578C1	1652325C1	B	R49-GA	18	WH	0587578C1	1652325C1										
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																
A	R49	18	GY	0587578C1	1652325C1																																																
B	R49-GA	18	WH	0587578C1	1652325C1																																																
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																
A	R49A	18	GY	0587578C1	1652325C1																																																
B	R49-GA	18	WH	0587578C1	1652325C1																																																
TAG AXLE (9820M) <div style="text-align: center; margin: 10px 0;">  </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <small>CONNECTOR - 1661778C1 BODY LOCK - 1661874C1</small> </div> <table border="1" style="width: 45%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>N59ED</td><td>18</td><td>GY</td><td>1661875C1</td></tr> <tr><td>B</td><td>N59AB</td><td>18</td><td>WH</td><td>1661875C1</td></tr> <tr><td>B</td><td>N59-GC</td><td>18</td><td>WH</td><td>1661875C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	A	N59ED	18	GY	1661875C1	B	N59AB	18	WH	1661875C1	B	N59-GC	18	WH	1661875C1	AIR SUSPENSION SOLENOID (9850) (LOCATED ON LEFT FRAME RAIL NEAR REAR AXLES) <div style="text-align: center; margin: 10px 0;">  </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <small>CONNECTOR - 587568C91</small> </div> <table border="1" style="width: 45%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>J81A</td><td>16</td><td>GY</td><td>0587575C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J61-GA</td><td>16</td><td>WH</td><td>0587575C1</td><td>1652325C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J81A	16	GY	0587575C1	1652325C1	B	J61-GA	16	WH	0587575C1	1652325C1								
CAV	CIR	GAUGE	COLOR	TERM																																																	
A	N59ED	18	GY	1661875C1																																																	
B	N59AB	18	WH	1661875C1																																																	
B	N59-GC	18	WH	1661875C1																																																	
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																
A	J81A	16	GY	0587575C1	1652325C1																																																
B	J61-GA	16	WH	0587575C1	1652325C1																																																
RIGHT SIDE AIR DRYER (9900) (LOCATED ON AIR DRYER) <div style="text-align: center; margin: 10px 0;">  </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <small>CONNECTOR - 1673790C1 LOCK - 1673791C1</small> </div> <table border="1" style="width: 45%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>N39C</td><td>16</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>N39-GC</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N39C	16	GY	2033819C1	1652325C1	B	N39-GC	16	WH	2033819C1	1652325C1	LEFT SIDE AIR DRYER (9900A) (LOCATED ON AIR DRYER) <div style="text-align: center; margin: 10px 0;">  </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <small>CONNECTOR - 1673790C1 LOCK - 1673791C1</small> </div> <table border="1" style="width: 45%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>N39B</td><td>16</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>N39-GB</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N39B	16	GY	2033819C1	1652325C1	B	N39-GB	16	WH	2033819C1	1652325C1										
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																
A	N39C	16	GY	2033819C1	1652325C1																																																
B	N39-GC	16	WH	2033819C1	1652325C1																																																
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																
A	N39B	16	GY	2033819C1	1652325C1																																																
B	N39-GB	16	WH	2033819C1	1652325C1																																																
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																															
PEC	15JAN02	ADDED 9870 & 9871.	A	55043Z	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																															
					RELEASE NO.	DATE	PART NO. SHEET																																														
					P54634F	14JUN01	AE08-52376 64																																														

Figure 176 Connector Composites (9870), (9871), (9811), (9812), (9814), (9815), (9820M), (9850), (9900), (9900A)